HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

OL. VI.] WEEK ENDING SATURDAY, JANUARY 6, 1866. No. 284.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 6th inst., 1,343 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,370 and 1,200. The deaths in the course of the week in public practice were unusually numerous, amounting to 75, or 1 in every 17 cases.

There were 83 seizures from Continued Fever, one-half of them are referred to as examples of Typhus. Fourteen cases of the latter disease were admitted into the Manchester Workhouse and 12 more into the Chorlton.

Under Diseases of the Respiratory Organs there is an increase of 26 cases; in the corresponding week of 1865 they were still more numerous.

Of 7 cases of Small Pox, observed in the course of the week, 3 were admitted as In-Patients of the Royal Infirmary.

Scarlet Fever, though by no means general, appears to be lurking in certain quarters of the town. Thus 5 cases came under the observation of the Medical Officers of the Salford Dispensary, and 4 more were admitted into the Chorlton Workhouse.

Whooping-Cough, though still very general in Salford, appears to be losing ground in Manchester.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 300 deaths were registered in the eleven districts of the Sanitary Association. The return, though lamentably high, is nevertheless an improvement upon the two which preceded it.

It is satisfactory to observe a decided decrease in the mortality arising from Fever. Possibly this favourable result may, to some extent, be due to the high winds which have prevailed during the last few weeks. By this means the atmosphere of crowded courts and alleys may have become purified.

Twenty-four persons appear to have died of Whooping Cough.

The deaths from Diseases of the Respiratory Organs fell from 105 to 95.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated number by 65.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43·2°; at the Royal Infirmary it was 41·5°; at Eccles 41·2°; and at Old Trafford 40·8°. On Sunday, the 31st December, a heavy gale blew from the S. W. At 2 a.m., at Liverpool, the pressure of the wind was 24lbs. to the square foot.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

OMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment L

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	1	..	..	1	2	..	3	..	..	..	..	1	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	1	..	..	1	3	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	..	..	3	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	1	..	..	3	..	..	..	..	..	..	5	..
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Continued Fever	5	..	*a*1	..	..	1	7	14	*b*2	..	..	*b*2	*b*3	1	..
Erysipelas	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Rheumatism	1	2	..	2	..	..	5	24	2	17	..	..	2	..	2
Neuralgic Affections	..	..	..	..	..	..	..	..	1	6	..	..	..	1	..
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	9	..	1	..	2	1
Phthisis	..	..	..	..	1	1	2	12	..	19	3	1	6	..	..
Insanity	..	..	1	..	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	6	..	2	1	6	20	20	..	36	2	1	6	7	15
Pleurisy and Pneumonia	..	..	..	2	..	..	2	2	1	1	..	1	...	..	..
Skin Diseases	..	4	..	..	..	1	5	..	..	7	..	..	..	3	16
Dyspepsia	..	..	..	1	..	..	1	10	..	26	..	..	..	1	6
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	10	2	10	8	2	14	46	78	53	169	2	6	14	16	5
TOTAL	21	16	13	16	4	24	94	165	63	292	7	13	34	42	45

a Febricula. *b* Typhus. *c* 3 Typhus and 2 Febricula. *d* 11 Typhus and 1 Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, GEORGE CLEMENTS,

(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 6th day of January, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	1	..	7	23	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	6	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	23	Measles	..
..	..	5	..	..	..	..	..	..	..	..	4	14	7	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	15	..	..	..	1	1	2	2	1	1	27	6	Whooping-cough	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	1	4	2	..	..	..	..	2	..	..	1	21	26	Diarrhœa	..
..	..	..	..	..	..	..	1	..	..	..	..	4	4	Dysentery	..
7	9	13	..	*c*5	2	3	..	..	..	*b*2	*d*12	83	63	Continued Fever	10
..	..	3	..	..	..	..	..	1	1	..	..	7	8	Erysipelas	..
1	..	9	2	3	1	..	..	2	..	2	3	78	90	Rheumatism	..
1	..	5	..	..	..	..	..	..	..	..	..	14	15	Neuralgic Affections ..	..
..	4	7	..	..	..	..	..	..	1	1	2	31	30	Constitutional Syphilis	..
1	..	11	..	..	..	..	..	1	1	1	2	60	78	Phthisis	7
..	2	..	..	..	..	..	..	..	..	..	..	7	10	Insanity	..
6	3	37	3	8	6	4	10	8	..	10	3	215	273	Bronchitis, Influenza, and Catarrh.....	15
2	..	4	..	..	2	..	..	1	2	..	..	18	21	Pleurisy & Pneumonia.	2
1	2	17	..	2	..	..	..	1	..	..	17	72	89	Skin Disease.....	..
..	..	9	1	..	4	..	3	2	3	2	1	73	71	Dyspepsia	..
..	..	..	..	..	..	..	..	2	..	..	..	2	..	Atrophy and Anæmia..	5
12	8	63	2	2	6	6	8	30	4	35	33	610	607	Accidents and diseases not classified.....	32
31	29	202	10	20	21	14	23	52	14	55	79	1343	1450	.... TOTAL	75

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	..	..	..	..	..	1	..	..	..	..	1	13
Whooping-cough	1	1	1	4	1	2	2	1	3	8	..	24	3
Scarlatina	..	..	..	..	1	..	..	..	1	1	..	3	7
Diarrhœa	2	..	..	..	1	1	..	..	..	2	..	6	6
Fever	2	2	*b*6	..	1	2	1	1	..	1	..	16	17
Diseases of the Lungs	18	10	10	5	3	11	8	2	10	15	3	95	85
Other causes	*a*16	13	27	4	*c*12	*a*10	*d*23	12	13	20	5	155	125
TOTAL NO. OF DEATHS.	39	26	44	13	19	26	35	16	27	47	8	300	258
TOTAL NO. OF BIRTHS.	33	33	16	16	20	29	20	21	32	42	25	287	250

a 4 Inquests. *b* 5 Typhus. *c* 1 English Cholera. *d* 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	Small-pox	10	10	22	42
15	4	7	26	Chicken-pox	2	1	4	7
72	57	78	207	Measles	24	27	79	130
38	40	42	120	Scarlatina	40	46	31	117
2	1	..	3	Diphtheria	1	..	..	1
43	55	41	139	Whooping-cough	155	131	131	417
4	2	..	6	Croup	3	1	5	9
878	519	279	1676	Diarrhœa	509	285	147	941
1	1	..	2	Dysentery	21	12	21	54
..	..	..	..	Cholera	..	..	..	..
26	23	22	71	Erysipelas	33	26	40	99
..	..	..	..	Puerperal Fever	..	..	..	..
17	8	10	35	Insanity	54	24	33	111
614	624	942	2180	Bronchitis and Catarrh	615	705	943	2263
14	8	13	35	Pleurisy	41	44	65	150
11	23	13	47	Pneumonia				
10	8	4	22	Carbuncle	..	..	..	..
4313	3452	3495	11260	Accidents, and all other Diseases.	5626	4812	4637	15075
6076	4825	4955	15856	TOTAL	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Castleton Moor	2·184	12
Royton	1·020	9
Penketh	0·895	14
Old Trafford	0·743	8
Eccles	0·717	10
Bowdon	0 715	15

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKRETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·631	29·668	29·697	29·678	29·668	29·670	29·665
Highest (Unreduced)	29·980	29·976	29·930	30·009	29·504	30·058	29·614
Lowest (Unreduced)	29·144	29·068	29·054	29·151	28·646	29·208	28·732
Range	0·836	0·908	0·876	0·858	0·858	0·850	0·882
Temperature.							
Adopted Mean	41·5	40·8	40·4	41·2	39·1	40·9	39·0
Range for Week	22·7	24·8	22·3	26·4	26·3	27·3	26·6
Daily Range	13·2	13·0	13·1	10·4	11·5	11·5	11·4
Maximum in Shade	53·4	53·8	52·3	53·4	51·0	52·0	51·8
Minimum in Shade	30·7	29·0	30·0	27·0	24·7	24·7	28·2
Temperature of Dew Point	37·8	37·7	37·0	37·4	37·1	38·2	36·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·866	0·888	0·880	0·868	0·920	0·904	0·900
Prevailing Winds		SW,S		SW	SW	S,SW	SW
Rain	....	0·664	0·785	0·694	1·020	0·702	1·020
Ozonometer.							
Moffat	.....	3·28	.....	1·00	.....	.....	.....
Schonbein	.....	2·86	4·71	.....	5·12	4·14	.....

January 6, 1865.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JANUARY 13, 1866. No. 285.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 13th inst., 1,379 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths, at the same time, among patients of the poorer class were very numerous, amounting to 64.

The most unsatisfactory feature in connection with the present return is the widely-increased prevalence of Continued Fever. In spite of the late boisterous weather, which might be expected to purify the stagnant atmosphere of some of the more crowded parts of the town, tho number of new cases has risen in the course of a single week from 83 to 164. No fewer than 88 of the seizures are specially referred to as examples of Typhus. The strain thrown upon the medical officers connected with the Manchester Workhouse must needs prove very heavy, no fewer than 47 new cases being admitted into the fever wards of that institution; 21 more were received at the Chorlton Workhouse, and 18 at the Salford. Thus it is evident that the disorder is now pretty evenly distributed over the whole town. Since the returns of the Sanitary Association were first instituted so heavy a fever return in the course of a single week has never been recorded. It is very important that some more decided steps should be taken to cope with the danger.

Under diseases connected with the respiratory organs there is a slight increase amounting to 17.

Whooping Cough, likewise, appears to be still met with to a very considerable extent in certain parts of the town. Thus, no fewer than 13 patients were attended by the medical officers of the Salford Dispensary.

Of 8 cases of fever recorded in the course of the week 6 were seen at the Chorlton Workhouse.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 277 deaths were registered in the eleven districts of the Sanitary Association. The mortality return is thus more favorable than in the two preceding weeks, when the deaths amounted respectively to 314 and 300. Twenty-one of the number are ascribed to Continued Fever, 19 to Whooping Cough, and 12 to Scarlet Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 36·9°. In this neighbourhood it was somewhat higher, thus at the Royal Infirmary it was 37·6°; at Old Trafford 37·6°; and at Eccles 37·4°.

At Greenwich, on Monday, the depth of the Snow on the level was about 7 inches.

On Monday an extremely heavy gale of wind prevailed during the greater part of the day, on which a pressure of 33lbs. to the square foot was recorded at Greenwich—a greater pressure than any previously registered at the Royal Observatory.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	..... Manchester Township 1,645														
Population in 1861	..... ,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	1	..	..	..	..	1	..	2	..	..	..	1	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	3	..	..	..	5	5
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	..	..	..	1	..	2	..	..	6	..	..	1	2	3
Dysentery	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Continued Fever.....	*a*7	..	1	*a*2	1	1	12	47	*b*3	*a*1	*b*3	*c*4	*d*5	4	..
Erysipelas	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..
Rheumatism	2	..	..	1	..	1	4	17	3	13	1	3	3	1	1
Neuralgic Affections.....	..	..	..	..	..	..	..	..	2	5	1	..	1	..	4
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	11	..	1	..	1	3
Phthisis	1	..	1	..	1	..	3	5	..	26	..	2	2	..	3
Insanity	..	..	..	..	..	1	1	4	..	..	2	..	..	..	..
Bronchitis, Influenza & Catarrh	4	4	2	1	5	6	22	24	..	41	2	4	5	..	7
Pleurisy and Pneumonia....	..	1	..	..	..	..	1	2	..	5	..	..	2	1	..
Skin Diseases.....	..	..	2	..	..	..	2	..	..	6	..	..	..	2	12
Dyspepsia	..	..	..	..	..	1	1	..	..	16	..	..	..	..	5
Atrophy and Anæmia.	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	7	5	6	11	5	9	43	23	40	182	4	5	6	24	6
TOTAL	22	11	12	15	14	20	94	127	50	317	13	19	26	40	49

a 1 Typhus, removed to Workhouse. *b* Typhus. *c* 3 Typhus, removed to Workhouse. *d* Typhus, 3 removed to Wo

Medical Officers to whom the Associa

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
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(13) Mr. H. RUN
(14) Dr. WHITE
(15) ,, J OGDE
(16) Mr. J. TEA

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 13th day of January, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477			646		508	2650				Area in Statute Acres.
70,967				68,209			44,850		21739	24,448				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	..	..	..	..	5	20	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	1	..	..	..	..	..	..	..	3	30	Measles	..
..	..	..	..	1	..	..	..	1	..	..	6	8	17	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	13	..	..	1	2	..	3	2	3	..	37	3	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	3	1	1	..	1	..	..	2	..	..	24	30	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	1	4	Dysentery	..
12	e18	11	..	f11	g4	2	..	..	1	2	h21	164	87	Continued Fever	13
1	..	2	..	..	..	1	..	..	..	..	..	9	8	Erysipelas	..
2	..	7	1	3	..	..	1	2	2	3	1	73	82	Rheumatism	..
..	..	3	..	..	..	..	1	..	..	..	..	17	23	Neuralgic Affections	..
..	3	4	..	1	..	..	..	..	1	1	10	38	31	Constitutional Syphilis	..
1	..	9	..	..	..	1	2	1	..	3	2	61	67	Phthisis	8
..	2	..	..	..	..	..	..	..	..	..	..	9	10	Insanity	..
4	4	41	2	10	9	3	7	6	3	15	12	232	279	Bronchitis, Influenza, and Catarrh	8
1	..	3	..	..	..	1	..	2	..	..	..	18	19	Pleurisy & Pneumonia.	2
..	3	12	..	1	..	1	4	1	..	..	27	78	80	Skin Disease	..
1	1	13	..	1	2	2	3	2	3	3	2	58	52	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	3	..	Atrophy and Anæmia	..
11	9	53	3	3	4	2	6	21	1	39	40	541	753	Accidents and diseases not classified	29
33	41	174	7	33	20	16	25	40	15	69	121	1379	1597	TOTAL	64

e 14 Typhus, 3 Typhoid, and 1 Febricula. *f* 6 Typhus and 2 Febricula, 2 Removed to Workhouse.
g Removed to Workhouse. *h* 17 Typhus and 4 Typhoid.

nuebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	1	..	1	..	..	..	..	..	..	3	4
Measles	..	..	..	..	..	2	..	..	..	..	1	3	10
Whooping-cough	..	2	..	4	..	1	2	1	4	4	1	19	7
Scarlatina	4	..	1	..	..	3	..	..	..	3	1	12	6
Diarrhœa	1	1	..	..	1	1	..	..	..	1	..	5	1
Fever	1	3	*a*6	1	*b*2	1	*b*3	..	..	4	..	21	15
Diseases of the Lungs	14	13	5	9	2	8	2	2	9	12	3	79	82
Other causes	9	14	11	9	12	12	*c*16	13	11	20	8	135	139
TOTAL NO. OF DEATHS.	30	33	24	23	18	28	23	16	24	44	14	277	264
TOTAL NO. OF BIRTHS.	50	47	24	22	18	30	18	20	25	52	27	333	287

a Typhus. *b* 1 Typhus. *c* 11 Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL.	DISEASE.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL
..	9	10	19	Small-pox	10	22	19	51
4	7	11	22	Chicken-pox	1	4	2	7
57	78	94	229	Measles	27	79	65	171
40	42	40	122	Scarlatina	46	31	27	104
1	..	1	2	Diphtheria	..	..	..	..
55	41	39	135	Whooping-cough	131	131	179	441
2	..	4	6	Croup	1	5	1	7
519	279	265	1063	Diarrhœa	285	147	140	572
1	..	3	4	Dysentery	12	21	8	41
..	..	..	..	Cholera	..	..	..	..
23	22	17	62	Erysipelas	26	40	39	105
..	..	..	..	Puerperal Fever	..	..	..	..
8	10	19	37	Insanity	24	33	25	82
624	942	1022	2588	Bronchitis and Catarrh	705	943	1131	2779
8	13	6	27	Pleurisy	44	65	60	169
23	13	29	65	Pneumonia				
8	4	10	22	Carbuncle	..	..	..	..
3452	3495	3878	10825	Accidents, and all other Diseases.	4812	4637	5258	14707
4825	4955	5448	15228	TOTAL	6124	6158	6954	19236

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Castleton Moor	2·184	12
Royton	1·020	9
Penketh	0·895	14
Old Trafford	0·743	8
Eccles	0·717	10
Bowdon	0 715	15

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·262	29·292	29·312	29·290	29·264	29·292	29·290
Highest (Unreduced)	29·800	29·788	29·788	29·813	29·373	29 914	29·400
Lowest (Unreduced)	28·730	28·788	28·712	28·799	28·294	28·874	28·390
Range	1·070	1·000	1·076	1·014	1·079	1·040	1·010
Temperature.							
Adopted Mean	37·6	37·6	37·6	37·4	35·2	37·2	34·7
Range for Week	27·2	30·9	29·1	32·5	34·5	30·6	33·7
Daily Range	11·5	13·2	11·9	12·0	13·3	11·7	11·3
Maximum in Shade	49·6	51·9	51·8	50·9	50·0	52·5	49·2
Minimum in Shade	22·4	21·0	22·7	18·4	15·5	21·9	15·5
Temperature of Dew Point	33·0	34·3	33·6	32·9	33·2	32·9	32·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·831	0·880	0·860	0·842	0·941	0·842	0·930
Prevailing Winds		SW,S	NW	SW	SW	W,NW	SW,NE
Rain	....	0·990	0·779	0·954	2·000	0·954	1·574
Ozonometer.							
Moffat	.....	1·28	.....	0·71	.....	.....	.....
Schonbein	.....	1·57	5·14	.....	3·60	3·90	.....

January 13, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JANUARY 20, 1866. No. 286.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 20th inst,, 1,341 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,343 and 1,379. The deaths at the same time, among the poorer classes, amounted to 79,—giving a proportion of deaths to cases of 1 in 17.

No fewer than 134 cases of fever are reported; about half the number are ascribed to true Typhus Fever. Forty patients suffering from this disorder were admitted into the Manchester Workhouse, 11 into the Chorlton, and 9 into the Salford. At the Royal Infirmary 4 more Typhus sufferers were removed into the Fever Wards. The dangers attending the duties of the Medical Officers connected with those of our public Institutions which admit cases of contagious fever have been principally felt at the Royal Infirmary during the last few days. On Wednesday Morning, the 23rd instant, Mr. Hulme, one of the Physician's Assistants died from malignant Typhus, contracted in the discharge of his duties. He was a most zealous and earnest medical officer and universally beloved by those with whom he came in contact. His predecessor at the same post is only now gradually recovering from a severe attack of the same disease. If no steps are taken to check these fever cases when scattered and isolated, the wealthier classes must not be surprized if they break out at least among their own homes.

With the exception of Whooping-cough, which is still gaining ground, none of the remaining zymotic diseases appeared to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 339 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the returns were very much more favourable, amounting respectively to 300 and 277.

No fewer than 37 fatal cases of Fever were entered in the course of the week. If we consider the class of persons who, in too many instances fall victims to fever, these figures represent a vast amount of distress—heavy suffering inflicted on many orphan children.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46·9°; at the Royal Infirmary it was 46·4°; at Eccles 46·3°; at Old Trafford 46·0°; and at Bowdon 45·2°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	1	..	..	..	1	2	1	..	..	1	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	1	..	..	..	..	1	..	..	1	..	..	..	9	6
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	1	1	..	..	2	..	..	..	4	8
Dysentery	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Continued Fever	*a*10	..	6	..	*b*5	*c*3	24	40	*d*4	*d*2	1	*e*2	2	2	..
Erysipelas	..	1	..	..	1	..	2	..	..	..	1	..	..	..	..
Rheumatism	1	..	1	..	1	1	4	15	..	3	..	2	2	1	2
Neuralgic Affections	..	..	..	..	..	..	..	..	1	3	2	..	3	..	4
Constitutional Syphilis	..	1	..	..	..	..	1	15	..	7	..	..	1	..	1
Phthisis	..	..	..	1	..	..	1	12	..	10	1	3	2	1	3
Insanity	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	4	3	1	7	9	29	30	1	42	4	2	4	1	11
Pleurisy and Pneumonia	1	..	..	..	1	..	2	..	..	3	..	2	..	..	..
Skin Diseases	..	..	..	..	..	..	..	8	..	9	..	..	..	6	5
Dyspepsia	..	..	..	..	..	..	..	18	..	7	..	..	2	2	4
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	12	3	11	10	4	8	48	24	36	190	5	2	5	48	12
TOTAL	30	10	22	12	19	22	115	164	43	282	14	16	21	74	56

a 5 Removed to Workhouse. *b* 1 Typhus, removed to Workhouse. *c* 2 Typhus, removed to Workhouse. *d* Typhus.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT.
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEL,

(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, GEORGE CLEMENTS,

(13) Mr. H. RUNC
(14) Dr. WHITEH
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 20th day of January, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477			646		508	2650				Area in Statute Acres.
70,967				68,209			44,850		21739	24,448				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	1	..	2	25	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	1	..	..	..	..	..	1	17	Measles	1
..	..	..	..	..	..	..	..	1	..	1	1	8	10	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
1	..	7	..	4	1	..	3	2	2	2	..	39	10	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	3	3	2	..	..	1	2	2	..	..	31	37	Diarrhœa	1
1	..	..	..	..	..	..	1	..	..	..	..	3	2	Dysentery	..
6	*d*9	13	..	*c*6	*c*2	*b*4	*b*1	..	..	*d*4	*d*11	134	76	Continued Fever	18
..	..	..	..	..	..	..	1	..	..	..	..	4	11	Erysipelas	1
3	..	11	..	2	2	..	3	2	2	..	3	60	108	Rheumatism	..
..	..	..	..	..	..	1	..	..	..	..	..	14	6	Neuralgic Affections	..
..	2	4	..	..	..	..	..	..	1	2	2	36	41	Constitutional Syphilis	..
..	1	13	..	1	..	..	1	1	1	3	..	54	79	Phthisis	7
..	1	..	..	..	1	..	..	..	..	..	..	3	7	Insanity	..
3	..	35	2	4	5	5	6	8	3	11	5	224	292	Bronchitis, Influenza, and Catarrh	13
..	..	..	..	..	..	..	..	2	..	..	..	12	28	Pleurisy & Pneumonia.	2
..	1	4	..	..	..	..	..	1	1	1	12	51	83	Skin Disease	..
3	...	8	..	..	..	..	4	4	2	3	3	63	71	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia	1
7	10	56	2	..	4	14	5	24	6	46	47	601	693	Accidents and diseases not classified	34
24	24	154	7	19	15	25	26	48	20	74	84	1341	1597	.... TOTAL	79

c 1 Typhoid, and 1 Febricula.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
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Small Pox	..	1	..	1	..	..	1	..	..	..	..	3	7
Measles	1		..	..	1	..	..	..	1	..	..	4	9
Whooping-cough	3	2	1	1	..	3	2	1	3	3	2	21	7
Scarlatina	..	1	..	..	..	2	..	..	..	3	..	6	5
Diarrhœa	2	..	1	..	..	..	..	..	..	1	1	5	1
Fever	1	5	*b*14	4	*d*3	*d*1	*f*5	..	..	3	*d*1	37	16
Diseases of the Lungs	22	3	13	5	2	11	1	2	8	19	3	89	85
Other causes	*a*25	11	26	*c*6	23	11	*g*13	*h*17	*h*15	17	10	174	139
TOTAL NO. OF DEATHS.	54	24	55	17	29	28	22	20	27	46	17	339	269
TOTAL NO. OF BIRTHS.	46	44	12	21	8	27	35	25	35	52	27	332	319

a 11 Inquests. *b* 13 Typhus and 1 Scarlet. *c* 4 Inquests. *d* Typhus.
f 2 Typhus and 1 Typhoid. *g* 6 Inquests. *h* 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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23	22	17	62	Erysipelas	26	40	39	105
..	..	..	..	Puerperal Fever	..	..	..	..
8	10	19	37	Insanity	24	33	25	82
624	942	1022	2588	Bronchitis and Catarrh	705	943	1131	2779
8	13	6	27	Pleurisy }	44	65	60	169
23	13	29	65	Pneumonia }				
8	4	10	22	Carbuncle	..	..	..	..
3452	3495	3878	10825	Accidents, and all other Diseases.	4812	4637	5258	14707
4825	4955	5448	15228	TOTAL	6124	6158	6954	19236

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FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
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Old Trafford	0·743	8
Eccles	0·717	10
Bowdon	0 715	15

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Macketh Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·721	29·727	29·748	29·738	29·729	29·740	29·709
Highest } Unreduced	29·918	30·000	29·938	30·015	29·518	30·115	29·660
Lowest } Unreduced	29·230	29·250	29·248	29·321	28·800	29·420	28·910
Range	0·688	0·750	0·690	0·694	0·718	0·695	0·690
Temperature.							
Adopted Mean	46·4	46 0	45·2	46·3	44·2	46·3	43·4
Range for Week	19·6	19·0	19 2	17·6	16·6	23·9	15·3
Daily Range	11·0	10·4	11·0	9·1	9·8	10·5	9·2
Maximum in Shade	54·6	55·0	54·7	54·7	51·6	56·0	51·0
Minimum in Shade	35·0	36·0	35·5	37·1	35·0	32·1	35·7
Temperature of Dew Point	42·8	42·8	39·8	41·4	40·7	41·9	39·7
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·870	0·875	0·811	0·839	0·876	0·844	0·868
Prevailing Winds		S, SW	SW	SW	SW	SW	SW
Rain	....	0·656	0·685	0·639	1·180	0·502	1·138
Ozonometer.							
Moffat	.....	4·14	.....	1·00	.....	.....	.....
Schonbein	.....	3·57	8·14	.....	5·16	6·10	.....

January 20, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JANUARY 27, 1866. No. 287.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 27th ultimo, 1,417 new cases of disease and injuries occasioned by accidents were seen in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,379 and 1,341. The fever return still continues very high, no fewer than 133 new cases being recorded in the course of the week; 62 of them are specially referred to as cases of typhus. Of the latter 24 were admitted into the Manchester Workhouse, 11 into the Salford Workhouse, and 6 into the Chorlton. At the Royal Infirmary 6 more typhus cases were received and 1 typhoid.

Whooping-cough still continues very prevalent, the seizures amounting to 29. Nine of these cases were seen at the Clinical Hospital, 5 at St. Mary's Hospital, and 5 at the Salford Dispensary.

The exanthematous fevers generally appear to be very mild at the present time, they did not collectively amount to upwards of 14 seizures. To this total Scarlet Fever contributed 9, and Small-pox 4 cases.

Under diseases connected with the respiratory organs we observe this week a considerable increase, the respective numbers for the last two weeks being 236 and 253.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 294 deaths were registered in the eleven districts of the Sanitary Association; in the preceding week they were still more numerous and amounted to 339.

Twenty three of the deaths are referred to fever, 8 of them, all attributed to typhus, were entered in the Market-street district, a district in which are situated both the Manchester Workhouse and the Royal Infirmary.

In the St. George's district three deaths were attributed to Small-pox and 1 to Hydrophobia.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated number by 242.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43·1°, which is 5·3° above the average of the same week in 50 years. At some of the stations the weather was still milder. At the Royal Infirmary it was 45·2°, at Eccles 43·9°, and at Old Trafford 43·1°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	1	1	1	..	..	..	..	1	..	..
Chicken-pox	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	2	2	..	..	..	..	1	..	5	9
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	..	..	..	..	2	..	..	..	2	7
Dysentery	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Continued Fever	*a*8	*b*1	*c*6	..	*d*2	2	19	24	*e*8	3	1	*f*3	*g*5	6	..
Erysipelas	..	..	..	..	1	..	1	..	..	1	2	..	1	..	..
Rheumatism	..	1	..	..	1	..	2	19	1	18	2	3	3	..	1
Neuralgic Affections	..	..	..	..	..	..	..	..	5	2	2	..	2	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	11	..	15	1	..	..	..	..
Phthisis	..	1	..	1	1	..	3	7	1	16	2	3	1	..	6
Insanity	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	9	2	3	2	5	25	34	2	39	2	3	3	6	7
Pleurisy and Pneumonia	1	..	..	..	3	..	4	..	..	1	1	1	..	2	1
Skin Diseases	..	..	..	..	1	..	1	6	..	10	..	..	..	..	9
Dyspepsia	..	..	..	1	..	..	1	10	1	22	..	..	..	2	4
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Accidents and diseases not classified	7	4	5	7	3	10	36	30	55	217	7	5	8	41	16
TOTAL	22	16	13	12	14	20	97	142	75	346	20	20	25	65	62

a 2 Typhus and 1 Typhoid, 1 removed to Workhouse. *b* Typhoid. *c* 3 Typhus. *d* 1 removed to Workhouse.
i 2 Typhus and 2 Typhoid. *j* 5 Typhus, 1 Gastric and 2 Febricula, 2 removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ GEORGE CLEMENTS,
(13) Mr. H. RUNCO
(14) Dr. WHITEHEA
(15) „ J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 27th day of January, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
70,967.				.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	1	..	..	..	..	..	4	15	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	5	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	21	Measles	..
..	..	..	..	1	..	..	..	1	..	1	4	9	8	Scarlatina	..
..	..	..	.	..	..	..	..	..	..	..	..	..	2	Diphtheria	..
..	..	5	..	..	1	1	1	2	..	2	..	29	7	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	..	1	2	1	..	..	..	3	..	..	..	23	24	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	1	5	Dysentery	..
13	*h*11	*i*13	..	*j* 8	*k*3	*d*4	*d*1	*d*2	..	*b*1	*l*7	133	60	Continued Fever	14
..	..	1	..	1	..	..	..	1	1	..	..	9	5	Erysipelas	..
..	..	5	..	..	1	..	..	1	2	4	3	67	94	Rheumatism	..
1	..	2	..	..	..	..	..	1	..	..	..	17	16	Neuralgic Affections ..	..
..	1	3	..	..	..	..	..	1	..	1	3	36	22	Constitutional Syphilis	..
..	1	7	..	1	..	..	..	1	..	3	3	56	58	Phthisis	6
..	3	..	..	..	..	..	1	1	..	..	..	6	6	Insanity	..
3	..	39	2	7	2	5	8	7	4	16	13	235	291	Bronchitis, Influenza, and Catarrh.....	4
..	..	1	1	..	1	1	..	2	1	..	1	18	17	Pleurisy & Pneumonia.	1
..	..	4	..	3	2	1	..	1	1	2	5	50	97	Skin Disease.....	..
2	...	3	..	..	..	..	2	1	2	5	2	61	60	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia..	1
16	7	81	1	3	7	9	5	31	2	42	24	659	731	Accidents and diseases not classified.....	31
36	23	165	6	25	17	22	18	57	13	77	65	1417	1544	.... TOTAL	60

phus and 1 Typhoid. *f* 1 Typhoid and 2 Febricula. *g* 3 Typhus and 2 Febricula. *h* Typhus.
2 Typhoid, 1 removed to Workhouse. *l* 6 Typhus and 1 Typhoid.

ebted for the annexed Returns.

17) Dr. T. M. JOHNSON,
18) Mr. M. O. LARMUTH,
19) ,, J. O. BRADBURY,
20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	3	..	..	..	..	..	..	..	..	..	3	7
Measles	1	..	2	..	..	..	1	..	..	2	..	6	10
Whooping-cough	4	3	..	..	1	1	2	2	1	4	1	19	7
Searlatina	4	..	..	..	..	2	1	..	..	3	..	10	4
Diarrhœa	..	..	..	..	..	2	1	..	..	..	1	4	6
Fever	1	1	*b*8	..	2	*d*4	*d*4	..	*g*1	1	*b*1	23	20
Diseases of the Lungs	15	8	12	..	3	10	6	1	5	12	8	80	82
Other causes	12	*a*21	26	13	*c*10	*e*9	*f*11	*f*17	3	20	7	149	156
TOTAL NO. OF DEATHS.	37	36	48	13	16	28	26	20	10	42	18	294	292
TOTAL NO. OF BIRTHS.	49	48	13	13	14	34	37	19	28	64	22	341	279

a 1 Hydrophobia and 6 Inquests. *b* Typhus. *c* 6 Inquests. *d* 3 Typhus and 1 Typhoid. *e* 3 Inquests. *f* 2 Inquests. *g* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL.	DISEASE.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL
..	9	10	19	Small-pox	10	22	19	51
4	7	11	22	Chicken-pox	1	4	2	7
57	78	94	229	Measles	27	79	65	171
40	42	40	122	Searlatina	46	31	27	104
1	..	1	2	Diphtheria	..	..	..	..
55	41	39	135	Whooping-cough	131	131	179	441
2	..	4	6	Croup	1	5	1	7
519	279	265	1063	Diarrhœa	285	147	140	572
1	..	3	4	Dysentery	12	21	8	41
..	..	..	..	Cholera	..	..	..	..
23	22	17	62	Erysipelas	26	40	39	105
..	..	..	..	Puerperal Fever	..	..	..	..
8	10	19	37	Insanity	24	33	25	82
624	942	1022	2588	Bronchitis and Catarrh	705	943	1131	2779
8	13	6	27	Pleurisy }	44	65	60	169
23	13	29	65	Pneumonia }				
8	4	10	2	Carbuncle	..	..	..	..
3452	3495	3878	10825	Accidents, and all other Diseases.	4812	4637	5258	14707
4825	4955	5448	15228	TOTAL	6124	6158	6954	19236

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Castleton Moor	2·184	12
Royton	1·020	9
Penketh	0·895	14
Old Trafford	0·743	8
Eccles	0·717	10
Bowdon	0 715	15

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·220	30·251	30·249	30·235	30·246	30·230	30·232
Highest } Unreduced	30·554	30·521	30·486	30·553	30·050	30·640	30·164
Lowest } Unreduced	29·558	29·558	29·480	29·579	29·072	29·662	29·172
Range	0·966	0·963	1·006	0·974	0·978	0·978	0·992
Temperature.							
Adopted Mean	45·2	43·1	42·6	43·9	41·6	43·3	41·9
Range for Week	12·1	17·2	16·9	15·2	15·8	19·2	15·2
Daily Range	7·5	10·8	8·4	7·8	7·2	9·9	7·3
Maximum in Shade	51·3	50·8	50·4	50·8	48·0	51·0	48·5
Minimum in Shade	39·4	33·6	35·5	35·6	32·2	31·8	33·0
Temperature of Dew Point	41·5	40·7	40·0	40·4	39·1	40·6	39·8
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·867	0·912	0·905	0·872	0·907	0·900	0·921
Prevailing Winds		S, SW	NW, SW	NW, SW	SW	W, SW	SW, SSW
Rain	....	0·732	0·741	0.628	1·045	0·563	1·008
Ozonometer.							
Moffat	.....	1·71	.....	0·28	.....	.....	.....
Schonbein	.....	1·43	2·28	.....	3·20	4·40	.....

January 27, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, FEBRUARY 3, 1866. No. 288.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 3rd instant, 1,347 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,341 and 1,417. Among patients of the poorer class the deaths amounted to 82, or 1 in every 16 cases,—an unusually high proportion.

Fever still continues the most formidable enemy of the public health; there were no fewer than 124 cases, 70 of them being specially referred to as examples of Typhus; 29 of the latter were admitted into the Manchester Workhouse, 10 more into the Salford Workhouse, and 9 into the Chorlton. In addition to the foregoing 6 were received into the fever wards of the Royal Infirmary. By the directions of Dr. Ledward 4 cases of Typhus were removed to the Manchester Workhouse; "they were all sent," he remarks, "from a dirty cellar in Charter-street,—another member of the same family was removed to hospital a fortnight ago suffering from fever. This family of eight persons occupy a cellar-dwelling of two rooms. The front cellar, in which the family live during the day, is used as a workshop by the father and a grown-up son; the back cellar, which is very dark and damp, is the sleeping apartment. Under such conditions the marvel is not that fever is now and then present, but that it is ever absent; such places are centres of infection."

Although Typhus at the present time is unusually prevalent, both Small-Pox, Measles, and Scarlet Fever are all singularly mild. There was but 1 case of Small-Pox, 2 of Scarlet Fever, and 6 of Measles.

Whooping Cough, on the other hand, is still very general, and is not confined to persons of the poorer classes.

Under Bronchitis and the other disorders of the respiratory organs we observe an improvement, due probably to the mild weather.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 264 deaths were registered in the eleven districts of the Sanitary Association; this return is a decided improvement on the two which preceded it, when they amounted to 339 and 294.

Twenty-three of them are ascribed to Fever, and 18 to Whooping-Cough.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated number by 132.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·1°; at the Royal Infirmary it was 44·3°; at Eccles 43·1°; and at Bowdon 42·2°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

ommittee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	1	2	..	..	..	..	..	..	7	3
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	1	1	..	..	4	..	..	1	..	..	..	3	5
Dysentery	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever	*a*8	*b*2	4	..	*c*4	*d*4	22	29	*e*6	..	*e*1	*f*2	*g*3	3	..
Erysipelas	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..
Rheumatism	..	..	..	1	..	..	1	20	3	12	..	3	3	..	..
Neuralgic Affections	..	..	..	..	..	..	..	..	2	3	..	..	..	..	1
Constitutional Syphilis	1	..	..	..	..	..	1	..	..	11	..	2	1	..	3
Phthisis	..	..	..	3	..	..	3	8	..	18	..	2	2	2	5
Insanity	1	..	..	..	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	1	..	5	1	9	24	30	..	26	3	3	5	3	9
Pleurisy and Pneumonia	..	..	1	..	..	..	1	2	1	..	..	1	..	..	1
Skin Diseases	1	..	..	..	..	2	3	5	..	12	..	..	..	1	11
Dyspepsia	..	1	..	..	..	..	1	15	..	24	..	..	..	2	5
Atrophy and Anæmia	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..
Accidents and diseases not classified	10	2	9	3	2	9	35	20	45	208	3	6	7	23	10
TOTAL	30	9	15	13	8	25	100	135	58	315	7	19	23	44	53

a 1 Typhus, 4 removed to Workhouse. *b* 1 Typhoid, removed to Workhouse.
f Febricula. *g* 1 Typhus and 2 Febricula. *h* 1 Typhus, removed to Workhouse. *i* 3 Typhus.

Medical Officers to whom the Associa

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
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(13) Mr. H. RUN
(14) Dr. WHITE
(15) ,, J OGDE
(16) Mr. J. TEAL

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 3rd day of February, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	18	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox	..
..	..	..	..	1	1	2	1	..	..	..	1	6	14	Measles	..
..	..	..	..	1	..	..	..	1	..	..	..	2	4	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	5	..	3	..	1	2	2	..	1	1	27	4	Whooping-cough	2
..	..	..	..	1	..	..	..	..	..	..	..	1	2	Croup	..
..	..	3	3	..	1	..	..	2	..	..	2	28	20	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Dysentery	..
10	e10	i11	..	j4	k3	5	1	1	..	2	e9	124	53	Continued Fever	16
..	..	3	..	..	..	..	..	..	1	..	1	9	10	Erysipelas	1
2	..	6	1	..	2	..	..	2	2	5	1	65	95	Rheumatism	..
1	..	3	..	..	..	..	2	1	..	..	..	15	20	Neuralgic Affections ..	..
..	..	5	..	1	..	..	..	1	..	1	2	31	40	Constitutional Syphilis	2
..	..	13	..	2	2	1	1	1	1	4	1	67	66	Phthisis	10
..	..	..	..	..	..	..	1	..	..	..	..	8	14	Insanity	..
5	2	31	4	6	5	6	7	7	3	18	10	219	307	Bronchitis, Influenza, and Catarrh.....	18
..	..	2	..	..	..	..	1	1	..	..	..	10	20	Pleurisy & Pneumonia.	1
1	2	11	..	..	1	1	2	1	2	1	14	70	102	Skin Disease.....	..
..	...	17	1	..	2	..	2	2	2	6	..	82	84	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	3	..	Atrophy and Anæmia..	..
7	12	47	..	7	6	2	9	37	1	44	41	578	680	Accidents and diseases not classified.....	31
26	26	157	9	26	23	18	29	60	12	82	83	1347	1557	.... TOTAL	82

1 Gastric, 2 Febricula, and 1 Typhus removed to Workhouse. *d* Typhus, removed to Workhouse. *e* Typhus.
2 Typhus, removed to Workhouse. *k* 2 Typhoid, removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
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(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	..	1	..	..	..	..	..	..	..	2	3
Measles	..	..	...	..	..	..	..	..	..	1	..	1	9
Whooping-cough	1	..	..	1	1	2	5	1	1	4	2	18	6
Scarlatina	4	1	..	..	..	..	..	..	..	4	..	9	4
Diarrhœa	..	..	..	..	..	1	..	..	..	..	..	1	4
Fever	2	1	*a*8	1	*a*2	..	*d*4	..	*a*1	*d*3	*e*1	23	12
Diseases of the Lungs	16	13	12	7	1	10	6	3	11	10	4	93	69
Other causes	17	4	15	*b*10	14	*c*13	*c*12	3	9	16	4	117	155
TOTAL NO. OF DEATHS.	41	19	35	20	18	26	27	7	22	38	11	264	262
TOTAL NO. OF BIRTHS.	47	42	30	17	15	25	39	15	30	44	22	326	330

a Typhus. *b* 2 Inquests. *c* 1 Inquest. *d* 2 Typhus. *e* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL.	DISEASE.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	TOTAL
..	9	10	19	Small-pox	10	22	19	51
4	7	11	22	Chicken-pox	1	4	2	7
57	78	94	229	Measles	27	79	65	171
40	42	40	122	Scarlatina	46	31	27	104
1	..	1	2	Diphtheria	..	..	..	..
55	41	39	135	Whooping-cough	131	131	179	441
2	..	4	6	Croup	1	5	1	7
519	279	265	1063	Diarrhœa	285	147	140	572
1	..	3	4	Dysentery	12	21	8	41
..	..	..	..	Cholera	..	..	..	..
23	22	17	62	Erysipelas	26	40	39	105
..	..	..	..	Puerperal Fever	..	..	..	..
8	10	19	37	Insanity	24	33	25	82
624	942	1022	2588	Bronchitis and Catarrh	705	943	1131	2779
8	13	6	27	Pleurisy	44	65	60	169
23	13	29	65	Pneumonia				
8	4	10	2	Carbuncle	..	..	..	..
3452	3495	3878	10825	Accidents, and all other Diseases.	4812	4637	5258	14707
4825	4955	5448	15228	TOTAL	6124	6158	6954	19236

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY	Inches.	Wet Days.
Royton	5·460	24
Castleton Moor	5·154	22
Old Trafford	3·282	22
Eccles	3·162	20
Bowdon	3·014	21

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·600	29·612	29·629	29·603	29·634	29·650	29·630
Highest (Unreduced)	29·948	29·936	29·896	29·947	29·460	29·968	29·550
Lowest (Unreduced)	29·106	29·138	29·034	29·137	28·660	29·160	28·746
Range	0·842	0·798	0·862	0·810	0·860	0·808	0·804
Temperature.							
Adopted Mean	44·3	42·2	42·5	43·1	40·9	43·0	40·9
Range for Week	17·4	20·8	20·0	20·3	21·1	21·4	18·1
Daily Range	9·7	11·3	10·7	10·0	10·3	9·1	8·8
Maximum in Shade	52·5	52·3	51·8	52·3	50·4	52·4	49·1
Minimum in Shade	35·1	31·5	31·8	32·0	29·3	31·0	31·0
Temperature of Dew Point	39·3	39·1	38·3	38·7	38·0	39·2	38·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·830	0·892	0·850	0·841	0·895	0·863	0·895
Prevailing Winds		S,SE	SW,SE	SW,SE	S,SE	SW,SE	S,SE
Rain	....	0·650	0·708	0·680	1·025	0·463	1·157
Ozonometer.							
Moffat	.....	1·71	3·71	.....	3·40	3·64	.....
Schonbein	.....	1·28	.....	0·13	.....	.....	.....

February 3, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, FEBRUARY 10, 1866. No. 289.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 10th instant, 1,426 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the numbers were 1,417 and 1,347. The deaths among patients of the same class amounted to 63, or 1 in every 26 cases.

Fever is still continuing its fatal ravages. We find a decided increase in the already heavy returns of the preceding week. In that return 124 cases were reported—in this 149; 80 of them are specially referred to as examples of Typhus. Of the latter 24 were admitted into the Manchester Workhouse, 19 into the Salford, and 16 into the Chorlton. The disease appears to be very generally distributed over the town, and it is to be feared that it will not now be easily eradicated, In Hulme it is especially prevalent, 7 new cases having come under the observation of Mr. Williamson, in the St. Philip's District, and 5 under that of Mr. John Smith, in the St. George's.

Another disorder which is still gaining ground is Whooping Cough; in the two preceding weeks there were 29 and 27 cases, last week 38, St. Mary's Hospital, the Clinical Hospital, and the Salford Dispensary appear to have received the bulk of the sufferers.

Bronchitis and other disorders connected with the respiratory organs are far less general than in the corresponding week of last year; at that time upwards of 300 patients applied for relief from these ailments, last week the return did not exceed 223. It must be borne in mind, however, that the weather in the early part of '65 was far more severe than that experienced during the last few weeks.

No other disorder occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 287 deaths were registered in the eleven districts of the Sanitary Association. No fewer than 33 of them, or 10 more than in the previous week, are ascribed to Fever.

Whooping Cough, likewise, contributes heavily to the return; it proved fatal to 16 persons. In the corresponding week of last year the deaths from Fever did not exceed 8, and those from Whooping Cough 2.

In London, acording to the last return of the Registrar General, the deaths fell short of the estimated average by 193.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·8°. At Old Trafford, at Bowdon, and at Eccles, the return exactly corresponds; in each of these places a mean of 44·4° was registered.

In the neighbourhood of London nine-tenths of an inch of rain was measured; at these stations the average was about an inch and a half.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	1	1	..	2	..	..	..	..	..	..
Chicken-pox	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	2	..	2	1	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	..	..	5	..	..	..	8	7
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	1	1	..	..	..	..	..	..	6	..
Dysentery	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Continued Fever	12	..	3	*a*2	*a*1	3	21	24	*b*5	..	*c*5	*d*1	7	8	..
Erysipelas	1	..	..	..	..	..	1	3	1	..	..	..	1	..	..
Rheumatism	..	..	4	2	..	..	6	26	3	11	1	3	1	..	1
Neuralgic Affections	..	..	..	..	..	..	..	..	2	3	..	1	1	2	2
Constitutional Syphilis	..	..	..	..	..	..	..	7	..	11	1	2	..	..	1
Phthisis	1	..	1	..	..	..	2	5	..	12	5	2	2	2	1
Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	4	2	3	4	3	21	29	1	36	3	4	5	2	12
Pleurisy and Pneumonia	..	..	..	..	..	..	..	1	..	5	..	1	1	..	..
Skin Diseases	1	..	..	..	..	..	1	10	..	14	1	..	..	1	12
Dyspepsia	1	..	..	..	1	..	2	7	1	15	..	..	..	1	7
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Accidents and diseases not classified	13	4	12	7	2	10	48	10	50	193	8	7	10	35	4
TOTAL	35	8	22	14	8	19	106	124	65	307	24	23	30	65	47

a 1 Typhus, removed to Workhouse. *b* 2 Typhus, 2 Typhoid, and 1 Febricula. *c* 4 Typhus and 1 Febricula.

Medical Officers to whom the Associa

(1) Mr. R. M. MANN.
(2) " J. BROADBENT,
(3) " EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, " W.H. SUTCLIFFE, " GEORGE CLEMENTS,
(13) Mr. H. RU
(14) Dr. WHITE
(15) " J OGDE
(16) Mr. J. TEA

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 10th day of February, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	2	..	..	..	..	..	..	2	..	..	..	7	18	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chicken-pox	..
..	..	..	..	2	..	..	..	..	..	..	..	2	11	Measles	..
..	1	..	..	..	1	..	..	2	..	..	..	9	7	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	7	..	2	2	..	..	3	1	2	..	38	10	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	4	2	..	..	..	..	..	2	..	2	20	18	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	2	2	Dysentery	..
6	*e*19	13	..	*f*5	*a*4	*g*7	*a*1	..	1	*e*3	*e*16	142	56	Continued Fever	13
..	..	2	1	..	..	..	..	1	..	..	..	10	6	Erysipelas	..
2	..	8	..	..	..	..	3	3	1	4	..	78	97	Rheumatism	..
..	..	4	..	1	1	1	1	..	..	..	..	21	14	Neuralgic Affections ..	..
1	1	3	..	..	..	..	..	1	1	..	3	35	45	Constitutional Syphilis	3
..	..	11	..	..	1	1	2	1	1	2	2	53	62	Phthisis	10
..	5	..	..	..	..	..	..	..	..	..	..	5	8	Insanity	..
1	2	40	4	9	2	2	7	6	2	10	6	210	300	Bronchitis, Influenza, and Catarrh.....	10
..	..	3	..	..	..	..	..	1	..	1	..	13	27	Pleurisy & Pneumonia.	1
..	4	9	1	2	1	..	..	1	1	..	10	71	82	Skin Disease.....	..
1	...	10	..	..	1	1	3	2	2	3	5	61	63	Dyspepsia	..
..	..	..	..	..	..	..	1	..	..	..	..	2	..	Atrophy and Anæmia..	..
10	20	65	2	3	6	8	9	44	4	32	63	639	670	Accidents and diseases not classified.....	24
21	54	179	10	24	19	20	27	67	16	57	107	1426	1498	.... TOTAL	63

phoid. *e* Typhus. *f* Typhus, 1 removed to Workhouse. *g* 3 Typhus removed to Hospital.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	6
Measles	..	..	...	..	..	1	..	..	..	2	..	3	5
Whooping-cough	3	..	1	1	..	3	2	..	1	4	1	16	2
Scarlatina	2	..	..	..	1	2	..	..	..	2	..	7	7
Diarrhœa	..	1	..	..	..	3	1	..	..	1	..	6	4
Fever	2	..	9	*b*1	*c*5	*d*6	*e*6	..	*b*2	2	..	33	8
Diseases of the Lungs	12	14	13	2	2	8	6	..	6	11	4	78	85
Other causes	*a*20	18	23	11	14	5	11	11	5	*a*23	3	144	167
TOTAL NO. OF DEATHS.	39	33	46	15	22	28	26	11	14	45	8	287	284
TOTAL NO. OF BIRTHS.	48	35	17	18	17	31	32	18	39	69	20	344	367

a 3 Inquests. *b* Typhoid. *c* 3 Typhus and 2 Typhoid. *d* 3 Typhus and 3 Typhoid. *e* 5 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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Population in 1861, 390,815.

4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL.	DISEASE.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL
9	10	6	25	Small-pox	22	19	18	59
7	11	26	44	Chicken-pox	4	2	1	7
78	94	72	244	Measles	79	65	5	149
42	40	26	108	Scarlatina	31	27	39	97
..	1	3	4	Diphtheria	..	..	..	..
41	39	53	133	Whooping-cough	131	179	132	442
..	4	2	6	Croup	5	1	..	6
279	265	199	743	Diarrhœa	147	140	99	386
..	3	..	3	Dysentery	21	8	9	38
..	..	1	1	Cholera	..	..	..	..
22	17	14	53	Erysipelas	40	39	29	108
..	..	..	..	Puerperal Fever	..	..	..	..
10	19	14	43	Insanity	33	25	25	83
942	1022	976	2940	Bronchitis and Catarrh	943	1131	906	2980
13	6	13	32	Pleurisy }	65	60	66	191
13	29	22	64	Pneumonia }				
4	10	3	17	Carbuncle	..	..	..	..
3495	3878	3515	10888	Accidents, and all other Diseases.	4637	5258	4151	14046
4955	5448	4945	15348	TOTAL	6158	6954	5480	18592

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FALL OF RAIN IN JANUARY	Inches.	Wet Days.
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Old Trafford	3·282	22
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	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level		29·610	29·646	29·619	29·634	29·600	29·621
Highest } Unreduced		29·817	29·780	29·837	29·354	29·912	29·418
Lowest } Unreduced		29·150	29·130	29·185	28·718	29·206	28·756
Range		0·667	0·650	0·652	0·636	0·706	0·662
Temperature.							
Adopted Mean		44·4	44·4	44·4	43·0	45·2	42·2
Range for Week		18·5	17·5	19·8	16·8	18·6	16·3
Daily Range		11·4	11·5	10·9	9·1	11·0	9·2
Maximum in Shade		55·0	54·4	54·7	50·8	55·6	50·8
Minimum in Shade		36·5	36·9	34·9	34·0	37·0	34·5
Temperature of Dew Point		40·7	39·0	39·0	39·2	40·2	38·3
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·877	0·812	0·809	0·861	0·824	0·859
Prevailing Winds		SW, SE	SW, NW	SW	SW	W, SW	W, SW
Rain	....	1·414	1·175	1·490	2·170	1·093	2·141
Ozonometer.							
Moffat	.....	2·86	6·43	.....	4·60	5·80	.....
Schonbein	.....	1·43	.....	.....	.....	.....	.....

February 10, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, FEBRUARY 17, 1866. No. 290.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 17th instant, 1,410 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

Continued Fever proved lamentably prevalent, no fewer than 140 cases being entered in this return; 13 of this number proved fatal. At the Manchester Workhouse 38 cases of Typhus were admitted, at the Chorlton Workhouse 12, and at the Salford 11; 6 more were received into the fever wards of the Royal Infirmary. In several other quarters of the town numerous cases were observed; 11 among the patients of the Salford Dispensary and 7 in St. George's district, Hulme,

There were 8 cases of Small-Pox, 3 of which were seen at the Chorlton Dispensary.

The Whooping-Cough return is more favourable than that recorded for several weeks, the seizures not exceeding 20.

Bronchitis and kindered affections of the respiratory organs appear to be on the decrease; thus the new cases did not exceed 205 against 229 and 223 in the two preceding weeks.

There were only 7 cases of Scarlet Fever and 1 of Measles.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 273 deaths were registered in the eleven districts of the Association, in the preceding week they were still more numerous, amounting to 287. Fever and Whooping-Cough together contributed about 50 fatal cases to the return and 80 more were due to diseases of the Lungs. Whooping-Cough proved particularly fatal in the London Road and Chorlton districts.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by about 100.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 38·9°. At the Royal Infirmary it was 39·8°, at Eccles and Old Trafford 36·9°, and at Bowdon 36°.

In the neighbourhood of London nearly two inches of rain were measured, at these stations only about half an inch.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	„ „ 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Scarlatina	..	2	..	..	..	1	3	..	..	1	..	..	1	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	..	..	1	..	..	..	3	6
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	2	..	..	4	5	..	..	..	..	1	2	4
Dysentery	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Continued Fever	*a*3	..	2	..	*b*4	*c*7	16	38	*d*8	..	*e*3	*f*5	*g*6	4	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Rheumatism	..	..	1	1	..	..	2	20	3	14	3	3	6	..	..
Neuralgic Affections	..	..	..	1	..	..	1	..	1	..	..	..	..	1	1
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	11	1	1	..	..	..
Phthisis	..	1	..	..	..	..	1	8	..	23	2	2	..	2	3
Insanity	..	..	..	..	..	..	..	4	..	..	1	..	..	..	..
Bronchitis, Influenza & Catarrh	1	8	..	3	4	8	24	19	2	30	1	4	7	3	5
Pleurisy and Pneumonia	1	..	..	..	..	..	1	3	..	2	1	1	..	..	..
Skin Diseases	..	..	..	..	..	..	..	12	..	7	..	..	..	4	11
Dyspepsia	..	..	..	..	..	..	..	20	..	25	..	..	..	..	9
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Accidents and diseases not classified	6	3	9	5	2	10	35	47	42	216	8	6	9	48	5
TOTAL	11	16	12	12	10	28	89	177	57	330	21	23	34	67	45

a 1 Typhus. *b* 2 Typhus, removed to Workhouse. *c* 3 Typhus, removed to Workhouse. *d* 6 Typhus and 2 Febricula. *i* 9 Typhus, 1 Typhoid, and 1 Febricula. *k* 3 Typhus and 4 Febricula. 2 Typhus removed to Workhouse.

Medical Officers to whom the Associat

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BR DON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEE,

(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ GEORGE CLEMENTS,

(13) Mr. H. RUN
(14) Dr. WHITEH
(15) „ J OGDE
(16) Mr. J. TEAL

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 17th day of February, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	3	1	..	..	8	14	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	19	Measles	..
..	..	..	..	..	..	..	..	1	..	..	..	7	10	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	..	..	..	..	2	1	1	1	20	7	Whooping-cough	1
..	..	..	..	..	1	..	..	..	..	..	..	1	1	Croup	..
..	..	3	2	..	..	1	..	2	2	..	1	31	31	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Dysentery	..
7	*i* 11	11	..	*k* 7	*l* 4	2	..	..	..	*n* 4	*n* 12	140	53	Continued Fever	13
..	..	..	..	..	..	..	..	1	1	..	1	5	8	Erysipelas	..
2	1	7	1	2	..	..	..	2	2	4	1	75	106	Rheumatism	..
..	..	3	..	..	..	..	..	1	..	..	..	10	25	Neuralgic Affections ..	..
1	1	6	..	..	..	1	..	1	1	1	..	28	35	Constitutional Syphilis	1
..	..	9	..	..	..	..	..	1	1	3	1	56	52	Phthisis	11
1	..	..	1	..	..	..	..	..	..	..	..	7	15	Insanity	..
7	2	28	5	2	7	*m* 5	6	7	2	12	7	192	298	Bronchitis, Influenza, and Catarrh.....	11
1	..	..	..	..	..	1	..	1	..	1	1	13	17	Pleurisy & Pneumonia.	1
..	..	11	..	..	2	..	2	1	1	..	15	70	63	Skin Disease.....	..
2	...	8	..	..	4	..	1	3	1	3	..	80	54	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	4	..	Atrophy and Anæmia..	..
9	15	73	3	6	6	4	6	34	3	36	35	661	670	Accidents and diseases not classified.....	25
30	31	163	12	17	24	14	16	61	16	65	75	1410	1483	.... TOTAL	64

Typhus, and 1 Febricula. *f* 4 Typhus, and 1 Febricula. *g* 4 Typhus and 2 Febricula. *h* Typhoid.
2 Typhoid, removed to Workhouse. *m* 1 removed to Workhouse. *n* Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	1	..	..	..	1	..	..	..	1	3	4
Measles	..	..	..	..	..	..	..	..	..	..	..	..	5
Whooping-cough	1	3	...	5	1	1	2	..	5	4	2	24	4
Scarlatina	..	1	..	..	1	1	..	1	..	1	..	5	8
Diarrhœa	2	1	..	..	..	1	1	..	..	1	..	6	8
Fever	4	1	*a*2	..	*b*2	1	*d*6	..	*f*2	5	*g*1	24	11
Diseases of the Lungs	13	14	8	9	..	9	1	1	12	10	3	80	81
Other causes	7	12	16	9	22	*c*6	*e*21	*c*7	11	17	3	131	167
TOTAL NO. OF DEATHS.	27	32	27	23	26	19	32	9	30	38	10	273	288
TOTAL NO. OF BIRTHS.	43	33	21	23	21	32	33	23	26	62	26	343	289

a Typhus. *b* 1 Typhus. *c* 1 Inquest. *d* 3 Typhus and 3 Typhoid. *e* 1 English Cholera. *f* 1 Typhoid. *g* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL.	DISEASE.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL
9	10	6	25	Small-pox	22	19	18	59
7	11	26	44	Chicken-pox	4	2	1	7
78	94	72	244	Measles	79	65	5	149
42	40	26	108	Searlatina	31	27	39	97
..	1	3	4	Diphtheria	..	..	..	..
41	39	53	133	Whooping-cough	131	179	132	442
..	4	2	6	Croup	5	1	..	6
279	265	199	743	Diarrhœa	147	140	99	386
..	3	..	3	Dysentery	21	8	9	38
..	..	1	1	Cholera	..	..	..	..
22	17	14	53	Erysipelas	40	39	29	108
..	..	..	..	Puerperal Fever	..	..	..	..
10	19	14	43	Insanity	33	25	25	83
942	1022	976	2940	Bronchitis and Catarrh	943	1131	906	2980
13	6	13	32	Pleurisy	65	60	66	191
13	29	22	64	Pneumonia				
4	10	3	17	Carbuncle	..	..	..	..
3495	3878	3515	10888	Accidents, and all other Diseases.	4637	5258	4151	14046
4955	5448	4945	15348	TOTAL	6158	6954	5480	18592

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY	Inches.	Wet Days.
Royton	5·460	24
Castleton Moor	5·154	22
Old Trafford	3·282	22
Eccles	3·162	20
Bowdon	3·342	24
Penketh	2·867	24

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·457	29·493	29·503	29·485	29·468	29·474	29·481
Highest (Unreduced)	29·880	29·927	29·876	29·965	29·470	30·028	29·524
Lowest (Unreduced)	28·733	28·804	28·700	28·781	28·310	28·852	28·368
Range	1·147	1·123	1·176	1·184	1·160	1·176	1·156
Temperature.							
Adopted Mean	39·2	36·9	36·0	36·9	35·8	36·9	35·0
Range for Week	18·7	23·5	22·3	22·4	29·5	22·7	30·6
Daily Range	12·3	12·1	12·0	9·9	11·4	11·6	11·3
Maximum in Shade	48·2	48·5	45·9	46·4	47·5	47·1	46·3
Minimum in Shade	29·5	25·0	23·6	24·0	18·0	24·4	15·7
Temperature of Dew Point	35·1	34·1	32·5	32·9	33·3	33·1	33·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·856	0·901	0·867	0·856	0·905	0·858	0·936
Prevailing Winds		SW, E	SE, NW	S, SE	SE, NW	W, NW	SE, NW
Rain	....	0·449	0·549	0·509	0·635	0·793	0·569
Ozonometer.							
Moffat	.....	0·00	.....	1·00	.....	.....	.....
Schonbein	.....	0·00	2·00	.....	3·40	3·20	.....

February 17, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, FEBRUARY 24, 1866. No. 291.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 24th instant, 1,428 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,426 and 1,410, and in the corresponding week of last year 1,456. The deaths at the same time, in public practice, amounted to 87, or 1 in every 16 cases. This proportion of deaths to cases is unusually high, and shows that many of the prevailing diseases are of a very serious character.

The new cases of Continued Fever are returned at 122, an improvement on the preceding week when they rose to 140; 75 of them are referred to as examples of true Typhus. Sixteen sufferers from this disease were admitted into the Manchester Workhouse, 15 into the Chorlton, and 14 into the Salford.

The seizures from Whooping-cough amounted to 28, or 8 more than in the previous week.

There were 10 cases of Scarlet Fever.

Under Bronchitis and kindred affections of the chest we observe a considerable increase, due probably to the fall in the temperature; in the preceding week there were 205 cases, last week 263.

Forty new cases of Constitutional Syphilis were seen during the week, 2 of which terminated fatally.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 303 deaths were registered in the eleven districts of the Association. This return compares unfavourably with the two which preceded it.

There is a considerable increase in the number of deaths from diseases of the lungs, no fewer than 95 being entered in this column.

Fever carried off 23 more persons, and Whooping-cough 19.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by about 127.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 36·2°. At the Royal Infirmary it was 37·0°, at Bowdon 36·3°, at Eccles 36·2°, and at Old Trafford 34·9°.

JOHN ED. MORGAN, M.D., M.A., Hon Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Scarlatina	..	..	1	..	..	2	3	..	..	..	..	..	..	1	2
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	1	..	..	..	..	1	..	..	..	..	..	..	9	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	1	..	1	2	4	..	2	..	..	..	3	2
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*8	1	3	*b*1	*c*2	*e*5	20	16	*f*6	1	*g*3	*h*3	*i*5	3	..
Erysipelas	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Rheumatism	..	1	1	1	..	..	3	..	5	19	2	3	5	2	..
Neuralgic Affections	..	..	..	..	..	..	..	3	..	9	1	1	..	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	4	..	19	..	..	1	..	..
Phthisis	..	..	1	1	..	..	2	5	..	23	..	2	1	2	..
Insanity	..	..	..	..	..	..	..	4	..	1	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	6	..	4	*d*4	6	24	25	2	34	3	5	7	3	17
Pleurisy and Pneumonia	..	..	2	1	..	..	3	3	..	5	..	..	2	..	1
Skin Diseases	..	..	..	2	..	..	2	13	..	11	..	..	1	..	14
Dyspepsia	1	..	..	..	..	..	1	30	1	21	..	..	1	2	6
Atrophy and Anæmia	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	10	5	11	6	5	11	48	18	42	174	8	5	7	36	11
TOTAL	23	14	19	17	12	26	111	125	56	319	17	20	30	61	56

a 4 Typhus, 1 removed to Workhouse. *b* Typhus, removed to Workhouse. *c* Febricula. *d* 1 removed to Workhouse.
i 2 Typhus, and 3 Febricula. *k* 5 Typhus, 1 removed to Workhouse. *l* 3 Typhus removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
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(5) Mr. OCTAVIUS DEAN,
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(13) Mr. H. RUNC
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 24th day of February, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	1	1	..	..	4	21	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	15	Measles	..
..	..	..	..	..	..	..	3	1	..	..	..	10	6	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
1	..	6	..	1	2	2	..	2	..	1	2	28	4	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Croup	..
..	..	3	2	..	2	..	..	..	2	..	6	32	37	Diarrhœa	..
1	..	..	..	..	..	..	1	..	1	..	..	4	7	Dysentery	..
3	*g*1	9	..	*k*6	1	*l*8	*b*2	..	..	*g*3	*g*15	122	39	Continued Fever	12
1	..	2	..	..	1	..	..	1	2	..	..	8	4	Erysipelas	..
..	1	8	1	..	2	2	2	2	1	3	5	69	83	Rheumatism	..
..	..	3	..	..	1	..	..	1	..	..	..	22	12	Neuralgic Affections ..	..
2	..	4	..	..	..	..	..	1	..	1	6	40	26	Constitutional Syphilis	2
..	..	11	..	..	..	..	..	1	1	4	1	53	54	Phthisis	8
..	..	..	..	1	..	..	..	..	..	..	..	6	5	Insanity	..
6	3	38	5	4	7	5	11	11	2	15	9	245	289	Bronchitis, Influenza, and Catarrh.....	10
..	..	3	..	..	..	..	..	1	..	..	..	18	18	Pleurisy & Pneumonia.	1
1	3	11	..	1	1	..	1	1	..	1	12	76	66	Skin Disease.....	..
2	...	17	..	..	2	..	4	3	1	3	..	96	76	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia..	..
16	14	68	2	3	3	5	5	40	3	38	34	592	690	Accidents and diseases not classified.....	54
33	35	184	10	16	22	22	29	67	14	69	90	1428	1456	.... TOTAL	87

Typhus removed to Workhouse. *f* 2 Typhus and 4 Typhoid. *g* Typhus. *h* 1 Typhus and 2 Febricula.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Hipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	..	...	..	..	3	..	..	..	1	..	4	10
Whooping-cough	..	4	..	4	..	3	2	..	..	3	3	19	1
Scarlatina	3	..	1	1	..	..	..	..	1	1	..	7	7
Diarrhœa	1	..	1	1	..	..	1	..	..	..	..	4	4
Fever	..	1	b11	1	..	b2	b6	..	..	..	b2	23	14
Diseases of the Lungs	17	8	19	9	..	10	5	2	7	15	3	95	82
Other causes	23	a17	22	c8	12	d12	e20	7	7	d22	1	151	133
TOTAL NO. OF DEATHS.	44	30	54	24	12	30	34	9	15	42	9	303	253
TOTAL NO. OF BIRTHS.	56	48	11	22	17	35	28	26	24	57	22	346	327

a 7 Inquests. *b* Typhus. *c* 1 Inquest. *d* 4 Inquests. *e* 6 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL.	DISEASE.	4 Weeks ending 25th Nov.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	TOTAL
9	10	6	25	Small-pox	22	19	18	59
7	11	26	44	Chicken-pox	4	2	1	7
78	94	72	244	Measles	79	65	5	149
42	40	26	108	Scarlatina	31	27	39	97
..	1	3	4	Diphtheria	..	..	.	..
41	39	53	133	Whooping-cough	131	179	132	442
..	4	2	6	Croup	5	1	..	6
279	265	199	743	Diarrhœa	147	140	99	386
..	3	..	3	Dysentery	21	8	9	38
..	..	1	1	Cholera	..	..	..	..
22	17	14	53	Erysipelas	40	39	29	108
..	..	..	..	Puerperal Fever	..	..	..	..
10	19	14	43	Insanity	33	25	25	83
942	1022	976	2940	Bronchitis and Catarrh	943	1131	906	2980
13	6	13	32	Pleurisy	65	60	66	191
13	29	22	64	Pneumonia				
4	10	3	17	Carbuncle	..	..	..	..
3495	3878	3515	10883	Accidents, and all other Diseases.	4637	5258	4151	14046
4955	5448	4915	15348	TOTAL	6158	6954	5480	18592

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JANUARY	Inches.	Wet Days.
Royton	5·460	24
Castleton Moor	5·154	22
Old Trafford	3·282	22
Eccles	3·162	20
Bowdon	3·342	24
Penketh	2·867	24

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft.	212 ft.	118 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·993	30·006	30·026	29·997	29·996	29·993	29·991
Highest (Unreduced)	30·250	30·244	30·196	30·257	29·770	30·366	29·866
Lowest (Unreduced)	29·432	29·430	29·478	29·503	29·036	29·592	29·092
Range	0·818	0·814	0·718	0·754	0·734	0·774	0·774
Temperature.							
Adopted Mean	37·0	34·9	36·3	36·2	34·4	36·9	35·0
Range for Week	22·5	27·2	22·2	26·5	30·0	28·0	26·0
Daily Range	10·4	15·9	11·8	13·3	16·7	15·3	12·9
Maximum in Shade	49·5	50·0	48·3	49·3	49·0	49·8	47·0
Minimum in Shade	27·0	22·8	26·1	22·8	19·0	21·8	21·0
Temperature of Dew Point	34·1	32·8	34·2	32·8	31·6	34·0	33·2
Hygrometrical condition of the Atmosphere	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·891	0·920	0·920	0·878	0·894	0·894	0·926
Prevailing Winds		SE,S	NW	NW	E,NE	W,NW	E,NE
Rain	....	0·840	0·820	0·767	1·425	0·696	0·803
Ozonometer.							
Moffat	.....	1·57	.....	0·28	.....	.....	.....
Schonbein	.....	1·28	3·00	.....	1·80	2·00	.....

February 24, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, MARCH 3, 1866. No. 292.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 3rd instant, 1,480 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 65. It thus appears that the proportion of deaths to cases was 1 in every 22.

Last week there was again an increase in the number of new cases of Continued Fever. In the preceding return 122 new cases were reported,—in this 135. No fewer than 15 of them terminated fatally. Eighty-two are specially referred to as examples of Typhus. Thirty-nine of the latter were admitted into the Manchester Workhouse, 10 into the Salford, and 8 into the Chorlton; 11 more came under the observation of Dr. Johnson, in the Regent-road District, Salford. Dr. Johnson remarks that "One of these 11 cases occurred in a house where the father, mother, and 7 children lived in a room containing less than 1,100 cubic feet of air; 5 of the children, including the one attacked slept in one bed." Another of the contributors to our returns calls attention to the stench arising from an ash-pit in Crown Street, off Great Bridgewater Street, which he was informed had not been lately emptied. At a time when fever is so prevalent it is very important that nuisances of this kind should be removed.

There were 26 new cases of Whooping-cough; in the preceding week there were 28.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 312 deaths were registered in the eleven districts of the Association. In the preceding week there were 303, and in the corresponding one of last year 256. No fewer than 26 of them are ascribed to Fever, and 18 to Whooping-cough.

There is an increase in the number of deaths attributed to diseases of the respiratory organs. In the week ending on the 17th of February 80 persons succumbed to diseases of this order; last week the number rose to 100.

In the Chorlton District 2 fatal cases of Croup were registered.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by 64.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 34·4°. At the Royal Infirmary it was 34·1°, at Eccles 33·3°, at Bowdon 32·9°, and at Old Trafford 32·5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

	MANCHESTER.														
Area in Statute Acres	..... Manchester Township 1,645														
Population in 1861	..... " " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	2	..	..	..	9	2
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	1	..	..	1	2	3	..	..	..	..	..	2	2
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*a*4	..	..	*b*4	*c*8	*d*7	23	39	5	..	..	*f*2	*g*8	5	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Rheumatism	..	..	..	1	1	..	2	19	2	20	..	1	2	1	1
Neuralgic Affections.....	..	..	..	..	..	..	..	2	2	4	..	..	..	..	2
Constitutional Syphilis	1	..	..	..	..	..	1	4	..	8	..	..	1	..	..
Phthisis	1	..	1	..	1	..	3	8	..	27	1	3	4	..	3
Insanity	..	..	1	..	..	..	1	8	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	14	5	1	4	5	7	36	25	1	29	5	9	7	5	10
Pleurisy and Pneumonia....	2	..	..	..	..	..	2	..	1	2	..	2	2	..	2
Skin Diseases.....	1	..	2	..	..	..	3	6	..	7	..	..	..	2	2
Dyspepsia	..	..	..	..	..	..	..	16	..	27	..	..	4	2	6
Atrophy and Anæmia.	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..
Accidents and diseases not classified.....	17	7	14	4	10	8	60	47	40	184	7	9	2	61	7
TOTAL	40	12	20	13	26	23	134	177	51	310	13	26	33	88	37

a 2 Typhus, 1 removed to Workhouse. *b* Febricula. *c* 7 Typhus, removed to Workhouse.
h 10 Typhus, and 3 Febricula. *i* 2 Typhus, removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL
(13) Mr. H. RUNC
(14) Dr. WHITEH
(15) ,, J OGDEN
(16) Mr. J. TEALE

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 3rd day of March, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.
. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	2	..	..	..	3	17	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox	..
..	..	..	..	2	1	..	..	..	..	..	..	3	6	Measles	..
1	..	..	..	..	..	..	1	1	..	..	..	5	5	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	7	..	..	2	..	..	1	..	2	1	26	12	Whooping-cough	..
..	..	..	..	..	..	..	1	1	..	..	..	2	..	Croup	1
..	..	2	2	..	1	2	..	1	1	..	1	20	35	Diarrhœa	..
1	..	..	..	..	..	1	..	..	..	..	..	3	2	Dysentery	..
11	*h*13	8	..	2	..	*i*4	..	1	..	2	*e*8	135	49	Continued Fever	15
..	2	2	..	..	..	..	..	1	1	..	..	7	5	Erysipelas	..
..	..	9	..	..	3	1	2	2	1	2	1	71	74	Rheumatism	..
..	..	2	..	..	..	..	..	1	..	..	..	13	10	Neuralgic Affections ..	..
1	1	5	..	..	..	..	..	2	1	2	2	32	48	Constitutional Syphilis	..
..	1	13	..	..	1	..	2	1	1	3	1	73	54	Phthisis	9
1	2	..	1	..	..	..	1	1	..	..	..	16	14	Insanity	..
5	..	40	6	9	3	7	10	7	2	17	7	256	252	Bronchitis, Influenza, and Catarrh.....	9
..	..	4	..	..	..	..	..	2	..	..	..	17	19	Pleurisy & Pneumonia.	1
..	3	10	..	1	..	..	5	1	..	..	10	54	99	Skin Disease.....	..
2	...	15	..	1	4	..	4	3	..	7	3	98	74	Dyspepsia	1
..	..	..	..	..	..	..	1	1	..	..	..	4	..	Atrophy and Anæmia..	..
7	9	71	3	6	3	6	3	36	2	38	26	642	634	Accidents and diseases not classified.....	29
29	31	189	12	21	18	21	30	65	9	73	60	1480	1411	.... TOTAL	65

*phus removed to Workhouse. *e* Typhus. *f* 1 Typhus and 1 Febricula. *g* 2 Typhus, 1 Typhoid, and 5 Febricula.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
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(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	4
Measles	..	1	...	..	..	..	1	..	..	1	..	3	7
Whooping-cough	1	2	..	2	2	2	2	..	3	4	..	18	3
Scarlatina	1	1	1	..	..	..	..	..	3	..	..	6	7
Diarrhœa	..	1	..	..	..	..	..	..	1	..	..	2	7
Fever	4	2	*b*5	..	*b*1	*b*4	*b*5	2	..	2	*e*1	26	6
Diseases of the Lungs	18	9	7	4	7	11	7	..	12	21	4	100	72
Other causes	*a*23	16	9	12	13	11	*c*20	*c*12	*d*14	20	7	157	150
TOTAL NO. OF DEATHS.	47	32	22	18	23	28	35	14	33	48	12	312	256
TOTAL NO. OF BIRTHS.	39	31	22	18	19	36	19	18	33	71	21	327	354

a 8 Inquests. *b* Typhus. *c* 2 Inquests. *d* 2 Croup. *e* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

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9	10	6	25	Small-pox	22	19	18	59
7	11	26	44	Chicken-pox	4	2	1	7
78	94	72	244	Measles	79	65	5	149
42	40	26	108	Scarlatina	31	27	39	97
..	1	3	4	Diphtheria	..	..	..	..
41	39	53	133	Whooping-cough	131	179	132	442
..	4	2	6	Croup	5	1	..	6
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22	17	14	53	Erysipelas	40	39	29	108
..	..	..	..	Puerperal Fever	..	..	..	..
10	19	14	43	Insanity	33	25	25	83
942	1022	976	2940	Bronchitis and Catarrh	943	1131	906	2980
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13	29	22	64	Pneumonia				
4	10	3	17	Carbuncle	..	..	..	..
3495	3878	3515	10888	Accidents, and all other Diseases.	4637	5258	4151	14046
4955	5448	4945	15348	TOTAL	6158	6954	5480	18592

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FALL OF RAIN IN FEBRUARY	Inches.	Wet Days.
Royton	4·920	21
Eccles	3·122	22
Old Trafford	2·983	20
Bowdon	2·833	22
Penketh	2·812	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·542	29·555	29·563	29·551	29·553	29·549	
Highest (Unreduced)	29·652	29·632	29·600	29·647	29·190	29·752	
Lowest (Unreduced)	29·214	29·184	29·142	29·231	28·742	29·280	
Range	0·438	0·448	0·458	0·416	0·448	0·472	
Temperature.							
Adopted Mean	34·1	32·5	32·9	33·3	32·3	34·2	
Range for Week	19·4	28·8	25·3	26·5	29·0	29·2	
Daily Range	9·1	16·7	15·1	13·3	14·6	15·2	
Maximum in Shade	45·0	48·8	46·3	46·2	46·0	47·0	
Minimum in Shade	25·6	20·0	21·0	19·7	17·0	17·8	
Temperature of Dew Point	30·5	30·1	27·5	28·7	29·7	28·2	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·867	0·900	0·796	0·836	0·901	0·781	
Prevailing Winds		E,NE	NE,SW	NE,SW	....	NE,N	
Rain	....	0·006	0·018	0·036	0·080	0·035	
Ozonometer.							
Moffat	.....	0·00	.....	0·00	.....	.....	.....
Schonbein	.....	0·00	0·57	0·00	1·00	1·50	.....

March 3, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MARCH 10, 1866. No. 293.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 10th instant, 1,460 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Among patients of the poorer class there were at the same time 76 deaths. It would thus appear that about 1 case in every 19 terminated fatally.

The Fever return still continues the most formidable item in the report, no fewer than 138 cases being recorded; 78 of the number are specially referred to as examples of Typhus. Twenty-five cases of the latter disease were admitted into the Manchester Workhouse, 19 into the Salford, and 13 into the Chorlton.

Under diseases of the respiratory organs there is a slight increase, due probably to the continued fall in the temperature. The number of cases returned in each of the three last weeks, in this column, was 263, 273, and 286.

Whooping-Cough still continues very general in certain quarters of the town; at the Salford Hospital 11 new cases were reported, and at the Chorlton Workhouse 6.

Small-pox, Measles, and Scarlet Fever are all singularly mild at the present time among the poorer classes of the population; there were only 2 cases of Small-pox, 1 of Measles, and 1 of Scarlet Fever.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 360 deaths were registered in the eleven districts of the Sanitary Association. The births at the same time did not exceed 348. Thus the deaths exceeded the births by 12.

The mortality in the week was lamentably high, 48 more deaths being returned than in the preceding week, and 116 more than in the corresponding week of last year; 28 of the number are ascribed to Fever, and 118 to diseases connected with the respiratory organs.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 331.

A high death-rate was very general in the great cities of the United Kingdom, and is probably to be ascribed to the cold weather which, in the early part of the week proved very intense.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 36·8°. At the Royal Infirmary it was 34·0°, at Old Trafford 33·4°, at Eccles 32·9°, and at Bowdon 32·9°. At Old Trafford the thermometer fell in the course of one night to 13·0°, but at the Royal Infirmary it was never lower than 24·1°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

ommittee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Childre	
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	1	..	..	..	..	1	..	..	..	..	..	..	3	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	1	..	2	3	7	..	..	..	..	..	5	..
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*4	..	*b*3	*i*1	*b*1	*c*3	12	25	*d*2	..	*e*1	*f*5	*g*5	4	..
Erysipelas	2	..	..	..	..	..	2	1	..	..	..	..	..	..	..
Rheumatism	..	4	1	1	1	..	7	20	..	15	..	2	6	..	
Neuralgic Affections	..	..	..	..	..	..	..	..	5	3	2	..	2	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	15	..	..	..	1	
Phthisis	..	..	1	..	..	1	2	6	..	21	1	3	2	..	(
Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	8	4	2	1	15	38	27	1	32	3	7	10	3	1(
Pleurisy and Pneumonia	..	1	..	..	..	..	1	4	..	..	2	..	..	..	1
Skin Diseases	2	..	..	..	..	..	2	7	..	13	..	..	..	2	4
Dyspepsia	..	..	..	..	..	..	..	28	..	36	..	1	1	..	4
Atrophy and Anæmia	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	8	4	8	11	5	15	51	28	47	187	4	8	11	34	8
TOTAL	24	18	18	16	9	37	122	153	55	322	13	26	37	52	37

a 1 Typhus, 2 removed to Workhouse. *b* 1 Febricula. *c* 1 Typhus, removed to Workhouse, also 2 Febricula.
i Typhus, 1 removed to Workhouse. *j* 2 Typhoid removed to Worhouse.

Medical Officers to whom the Associ

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RU
(14) Dr. WHITE
(15) „ J OGDI
(16) Mr. J. TEA

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 10th day of March, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	1	..	..	..	2	11	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	6	Measles	..
..	..	..	..	..	..	..	..	1	..	..	..	1	8	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
2	..	11	..	2	1	..	..	1	..	1	6	29	7	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
1	..	4	2	..	..	..	1	..	2	..	1	28	33	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Dysentery	..
12	*h*22	10	..	*i* 2	*j*5	*k*10	..	..	1	*d*3	*d*13	138	48	Continued Fever	1
..	..	..	..	..	..	..	1	1	..	..	1	6	7	Erysipelas	1
3	..	7	..	1	1	1	1	2	1	3	2	75	61	Rheumatism	..
..	..	..	..	..	..	..	..	2	..	..	..	17	13	Neuralgic Affections ..	..
..	1	7	..	..	..	..	..	..	..	1	2	30	26	Constitutional Syphilis	..
..	..	11	..	1	1	..	1	1	1	2	3	62	57	Phthisis	6
..	3	..	..	..	1	..	2	1	..	..	..	7	18	Insanity	..
10	2	47	4	7	6	6	7	6	2	18	7	275	246	Bronchitis, Influenza, and Catarrh.....	12
..	..	..	1	..	1	1	..	..	..	..	..	11	17	Pleurisy & Pneumonia.	..
1	10	8	..	..	..	..	..	2	1	..	9	62	84	Skin Disease.....	..
..	...	17	..	..	2	..	4	2	1	4	..	103	71	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia..	..
10	5	55	2	1	5	2	7	45	3	37	52	611	692	Accidents and diseases not classified.....	56
39	43	177	9	14	23	20	24	66	12	69	96	1460	1410	.... TOTAL	76

Typhus. *e* Typhoid. *f* 3 Typhus and 2 Febricula. *g* 2 Typhus and 3 Febricula. *h* 19 Typhus and 3 Febricula. *k* 6 Typhus removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	2	..	..	..	..	..	..	1	..	..	3	2
Measles	1	1	...	..	..	..	1	..	..	1	..	4	2
Whooping-cough	1	1	..	3	2	1	..	..	4	7	1	20	1
Scarlatina	2	..	1	1	..	1	..	2	1	..	..	8	6
Diarrhœa	3	1	..	1	1	1	..	..	..	1	..	8	5
Fever	..	3	*a*12	..	*c*5	*d*1	1	..	*d*1	3	2	28	10
Diseases of the Lungs	21	19	14	6	6	8	4	2	12	21	5	118	80
Other causes	18	11	29	*b*15	17	10	*e*18	15	11	17	10	171	138
TOTAL NO. OF DEATHS.	46	38	56	26	31	22	24	19	30	50	18	360	244
TOTAL NO. OF BIRTHS.	46	49	12	14	23	25	55	18	25	65	16	348	349

a 10 Typhus and 2 Scarlet. *b* 2 Inquests. *c* 4 Typhus. *d* Typhus. *e* 5 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL.	DISEASE.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL
10	6	7	23	Small-pox	19	18	20	57
11	26	7	44	Chicken-pox	2	1	1	4
94	72	37	203	Measles	65	5	10	80
40	26	20	86	Scarlatina	27	39	28	94
1	3	5	9	Diphtheria	..	..	..	..
39	53	59	151	Whooping-cough	179	132	113	424
4	2	1	7	Croup	1	..	2	3
265	199	226	690	Diarrhœa	140	99	111	350
3	..	2	5	Dysentery	8	9	8	25
..	1	1	2	Cholera	..	..	..	..
17	14	18	49	Erysipelas	39	29	32	100
..	..	..	..	Puerperal Fever	..	..	..	..
19	14	18	51	Insanity	25	25	26	76
1022	976	949	2947	Bronchitis and Catarrh	1131	906	866	2903
6	13	14	33	Pleurisy	60	66	54	180
29	22	22	73	Pneumonia				
10	3	5	18	Carbuncle	..	..	..	..
3878	3515	3668	11061	Accidents, and all other Diseases.	5258	4151	4340	13749
5448	4945	5059	15452	TOTAL	6954	5480	5611	18045

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN FEBRUARY	Inches.	Wet Days.
Royton	4·920	21
Castleton Moor	4·847	17
Eccles	3·122	22
Old Trafford	2·983	20
Bowdon	2·833	22
Penketh	2·812	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Macreth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·728	29·769	29·780	29·747	29·758	29·760	29·785
Highest (Unreduced)	30·340	30·333	30·328	30·395	29·900	30·472	29·968
Lowest (Unreduced)	29·088	29·034	29·016	29·071	28·566	29·136	28·688
Range	1·252	1·299	1·312	1·324	1·334	1·336	1·280
Temperature.							
Adopted Mean	34·0	33·4	32·9	33·2	31·5	34·2	32·1
Range for Week	18·9	33·8	29·0	29·2	29·5	27·0	28·9
Daily Range	9·4	16·4	16·2	13·8	15·0	15·5	13·0
Maximum in Shade	43·0	46·8	44·7	45·5	46·0	46·0	42·0
Minimum in Shade	24·1	13·0	17·7	16·3	16·5	19·0	13·1
Temperature of Dew Point	31·5	32·0	29·3	27·4	27·3	30·9	28·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·905	0·941	0·878	0·784	0·842	0·872	0·840
Prevailing Winds		SE,SW	NE,SW	NW,NE	N,NE	N,NE	NE
Rain	....	0·450	0·620	0·490	0·615	0·183	0·520
Ozonometer.							
Moffat	.....	0·57	.....	1·14	.....	.....	.....
Schonbein	.....	0·43	1·71	0·00	1·80	1·90	.....

March 10, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MARCH 17, 1866. No. 294.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 17th instant, 1,525 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the preceding week the number did not exceed 1,460, and in the corresponding one of last year it was 1,394. The deaths among patients of the poorer class rose to 81, being at the rate of 1 to every 18 cases.

The seizures under Fever still continue very numerous, no fewer than 131 cases being returned; 56 of them are specially referred to as Typhus cases. Twenty-three of these patients were admitted at the Manchester Workhouse, 9 more at the Chorlton Workhouse, and 6 at the Salford.

A severe outbreak of Dysentery is this week recorded at the Manchester Workhouse, no fewer than 32 persons having experienced attacks of the disease. No special cause is assigned for the appearance of the malady.

Under diseases connected with the respiratory organs there is a decided increase, due, doubtless, to the continued severity of the weather. In very many instances the attacks appear to have assumed a serious character, as the deaths in public practice alone amounted to 22.

There was only 1 case of Small-Pox and 8 of Scarlet Fever, 5 of which came under the observation of Mr. Wilson in the Medlock Poor Law District.

Not a single case of Measles was recorded. Whooping-Cough, on the contrary, is still very prevalent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 321 deaths were registered in the eleven districts of the Sanitary Association; in the preceding week they were still more numerous, but, in the corresponding week of last year, they did not exceed 251.

The deaths from Fever were somewhat less numerous than in the previous week, amounting to 20 instead of 28.

From diseases of the lungs there were 113 deaths. It thus appears that more than 1 death in every 3 was due to some form of chest disease.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 227.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39·3°. At the Royal Infirmary, at this season of the year the warmest of the Manchester stations, it was 40·2°, at Eccles 38·9°, and at Old Trafford 38·4°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment L

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	1	..	..	..	2	..	..	..	..	..	..	12	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	2	..	..	..	1	4	4	..	..	..	..	..	6	2
Dysentery	..	..	..	..	..	..	..	32	..	..	..	..	..	..	..
Continued Fever	*a*3	*b*2	*c*8	1	*d*4	*b*2	20	23	*e*8	..	*f*1	*g*5	*g*5	4	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..
Rheumatism	..	..	..	..	1	..	1	..	2	16	1	1	..	1	1
Neuralgic Affections	..	..	..	..	..	..	..	..	..	3	..	..	..	..	2
Constitutional Syphilis	..	..	..	..	1	..	1	..	..	20	..	..	1	..	1
Phthisis	..	..	..	..	..	..	..	5	..	27	2	2	3	1	6
Insanity	..	..	1	1	..	..	2	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	10	8	5	9	4	12	48	23	..	39	1	6	7	2	8
Pleurisy and Pneumonia	..	..	..	..	..	..	..	5	..	7	..	2	1	..	..
Skin Diseases	..	..	..	..	..	..	..	11	..	12	..	..	..	4	11
Dyspepsia	..	1	..	..	..	..	1	30	..	14	..	1	..	2	11
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	12	2	6	2	6	8	36	14	39	219	11	9	7	41	14
TOTAL	27	15	21	13	16	23	115	148	49	357	16	26	25	73	58

a Removed to Workhouse. *b* 1 Typhus, removed to Workhouse. *c* 2 Febricula. *d* 3 Removed to Workhouse.
i Not Vaccinated.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(13) Mr. H. RUNC
(14) Dr. WHITEH
(15) ,, J OGDEN
(16) Mr. J. TEALE

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 17th day of March, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	i1	..	..	..	1	12	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	6	Measles	..
..	..	..	..	..	5	..	..	2	..	..	..	8	5	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	6	..	..	..	1	..	1	..	1	..	24	6	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	5	2	..	..	..	..	2	1	..	2	28	23	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	33	..	Dysentery	..
13	h9	13	..	b3	..	8	1	1	2	1	f9	131	48	Continued Fever	11
..	..	2	..	..	..	..	1	1	..	..	..	6	4	Erysipelas	..
4	..	7	1	3	1	a1	1	2	..	2	2	50	78	Rheumatism	..
..	..	3	..	..	..	..	..	1	..	..	..	9	17	Neuralgic Affections ..	..
..	..	4	..	..	..	a1	..	1	..	2	5	38	32	Constitutional Syphilis	..
1	..	13	..	..	..	..	2	1	..	3	1	67	59	Phthisis	10
..	3	..	..	..	..	..	..	..	..	..	..	5	8	Insanity	..
4	3	54	5	10	11	6	8	10	3	20	4	291	222	Bronchitis, Influenza, and Catarrh.....	22
1	..	3	...	..	..	..	..	..	..	..	..	20	17	Pleurisy & Pneumonia.	3
..	1	7	..	..	..	..	2	3	..	3	11	65	94	Skin Disease.....	..
1	1	15	..	..	2	..	2	5	1	3	1	93	72	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	..
12	11	62	3	4	4	4	3	43	4	32	68	655	689	Accidents and diseases not classified.....	34
36	28	194	11	20	23	21	20	75	11	67	103	1525	1394	.... TOTAL	81

Typhus and 1 Febricula. *f* Typhus. *g* 3 Typhus and 2 Febricula. *h* 6 Typhus and 3 Febricula.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	..	..	..	..	..	..	..	..	..	1	3
Measles	..	..	...	..	..	..	..	1	..	2	..	3	3
Whooping-cough	1	2	1	2	..	1	..	..	2	4	..	13	6
Scarlatina	..	1	1	..	1	2	..	1	1	1	..	8	3
Diarrhœa	..	..	1	..	2	1	..	..	1	..	..	5	4
Fever	1	1	*a*8	..	*c*3	*a*1	*a*1	1	*a*1	3	..	20	9
Diseases of the Lungs	21	10	17	5	8	8	2	5	9	19	9	113	71
Other causes	8	17	25	*b*8	18	15	17	*b*10	*d*21	16	*e*3	158	152
TOTAL NO. OF DEATHS.	32	31	53	15	32	28	20	18	35	45	12	321	251
TOTAL NO. OF BIRTHS.	44	42	22	27	29	31	21	23	28	61	31	359	383

a Typhus. *b* 2 Inquests. *c* 1 Typhus and 1 Gastric. *d* 3 Inquests. *e* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL.	DISEASE.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL
10	6	7	23	Small-pox	19	18	20	57
11	26	7	44	Chicken-pox	2	1	1	4
94	72	37	203	Measles	65	5	10	80
40	26	20	86	Scarlatina	27	39	28	94
1	3	5	9	Diphtheria	..	..	..	..
39	53	59	151	Whooping-cough	179	132	113	424
4	2	1	7	Croup	1	..	2	3
265	199	226	690	Diarrhœa	140	99	111	350
3	..	2	5	Dysentery	8	9	8	25
..	1	1	2	Cholera	..	..	..	..
17	14	18	49	Erysipelas	39	29	32	100
..	..	..	..	Puerperal Fever	..	..	..	..
19	14	18	51	Insanity	25	25	26	76
1022	976	949	2947	Bronchitis and Catarrh	1131	906	866	2903
6	13	14	33	Pleurisy	60	66	54	180
29	22	22	73	Pneumonia				
10	3	5	18	Carbuncle	..	..	..	..
3878	3515	3668	11061	Accidents, and all other Diseases.	5258	4151	4340	13749
5448	4945	5059	15452	TOTAL	6954	5480	5611	18045

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY	Inches.	Wet Days.
Royton	4·920	21
Castleton Moor	4·847	17
Eccles	3·122	22
Old Trafford	2·983	20
Bowdon	2·833	22
Penketh	2·812	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·524	29·441		29·545	29·540	29·518	29·554
Highest (Unreduced)	30·224	30·266		30·283	29·777	30·364	29·900
Lowest (Unreduced)	29·000	29·020		29·047	28·550	29·068	28·630
Range	1·224	1·246		1·236	1·227	1·296	1·270
Temperature.							
Adopted Mean	40·2	38·4		38·9	37·9	38·9	36·8
Range for Week	22·3	29·5		27·1	32·0	30·8	27·0
Daily Range	10·4	15·6		11·6	15·7	13·2	13·3
Maximum in Shade	51·3	52·5		51·1	52·5	51·1	48·0
Minimum in Shade	29·0	23·0		24·0	20·5	20·3	21·0
Temperature of Dew Point	37·1	35·6		33·1	35·3	34·7	33·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·893	0·900		0·808	0·903	0·856	0·868
Prevailing Winds		E,SE		N,SE	NW,SE	NW,SE	NW,SE
Rain	....	0·558		0·535	0·530	0·692	0·149
Ozonometer.							
Moffat	.....	0·86		0·00	.....	.....	.....
Schonbein	.....	0·71		0·43	2·90	3·80	.....

March 17, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MARCH 24, 1866. No. 295.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 24th of March, 1,591 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the previous week they amounted to 1,525, and in the corresponding one of last year to 1,244. The deaths last week among the poorer classes were very numerous, 1 case in every 18 terminating fatally.

Fever, under its various forms, is still raging with unabated severity; under this column no fewer than 146 seizures are recorded; 88 of them are ascribed to true Typhus. Forty-two of the latter patients were admitted into the Manchester Workhouse, 16 more into the Salford, and 15 into the Chorlton. It is satisfactory to find that so many of these poor sufferers from the more contagious forms of Fever are at present removed from their own dwellings, and thus prevented from spreading the disease among their friends and relations.

Under Bronchitis and other diseases connected with the respiratory organs we observe this week a slight improvement; in our last return 311 new cases were recorded, in this 293.

Five cases of Scarlet Fever were seen in District No. II. of the Royal Infirmary, and 3 cases of Measles.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 358 deaths were registered in the eleven districts of the Sanitary Association. The births at the same time did not exceed 336. It thus appears that the deaths exceeded the births by 22.

Continued Fever proved fatal to 24 persons, and Whooping Cough to 21.

Ten more deaths are attributed to Diarrhœa, a considerable number considering the season of the year.

In London, according to the last return of the Registrar General, the deaths exceeded the average for the third week in March by 151.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 40·2°. At the Royal Infirmary it was 40 8°, and at Eccles and Bowdon 39·7°.

In the neighbourhood of London nearly an inch of rain was measured, but at these stations the quantity did not exceed half an inch.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	3	..	1	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	5	1	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	2	..	..	..	2	..	..	3	..	2	..	5	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhœa	..	2	1	2	..	..	5	10	..	1	..	..	2	3	3
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*5	..	4	..	*b*4	*c*6	19	42	*d*2	..	1	*d*1	*e*3	4	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..
Rheumatism	..	..	..	..	..	1	1	7	2	14	..	1	3	1	5
Neuralgic Affections	..	..	1	..	..	..	1	..	7	5	..	..	..	..	2
Constitutional Syphilis	..	..	1	..	..	1	2	5	..	18	..	..	..	..	2
Phthisis	1	..	..	1	1	..	3	4	..	19	1	..	3	..	4
Insanity	2	1	1	..	..	..	4	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	4	1	6	4	9	32	20	..	28	2	4	8	12	13
Pleurisy and Pneumonia	..	..	..	..	..	..	..	5	..	3	4	1	1	..	..
Skin Diseases	4	..	..	1	..	..	5	5	..	3	..	..	..	4	9
Dyspepsia	1	..	..	..	..	..	1	20	..	22	..	..	..	5	7
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	18	3	9	9	8	15	62	20	62	221	6	5	8	55	22
TOTAL	39	10	20	19	17	32	137	138	73	337	15	23	30	92	68

a 1 Typhus, 4 removed to Workhouse. *b* Removed to Workhouse. *c* 2 Typhus and 4 Febricula.
h Typhus removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,

(9), (10), (11), (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL

(13) Mr. H. RUNCC
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 24th day of March, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	1	..	..	..	3	18	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox	..
..	1	..	..	3	..	..	..	..	..	..	..	8	3	Measles	..
..	..	..	..	..	..	..	1	2	..	..	..	9	3	Scarlatina	..
..	..	..	.	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	..	1	1	..	2	..	..	..	21	3	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup	..
1	..	5	1	..	..	..	..	..	2	..	..	35	22	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Dysentery	1
4	*f*20	8	..	*g*5	*g*2	*g*4	*h*4	1	1	..	*d*15	146	31	Continued Fever	10
..	..	2	1	..	..	..	..	..	..	..	1	7	6	Erysipelas	1
2	..	7	1	..	2	2	..	..	1	3	3	59	65	Rheumatism	..
..	..	3	..	..	..	..	..	..	..	..	..	18	14	Neuralgic Affections ..	..
..	..	7	..	..	..	..	..	2	..	1	2	40	36	Constitutional Syphilis	..
..	..	14	..	1	..	1	..	2	..	..	2	54	41	Phthisis	9
..	2	..	..	1	1	..	..	..	..	..	..	9	9	Insanity	..
9	5	50	5	6	6	8	2	13	3	25	4	272	211	Bronchitis, Influenza, and Catarrh.....	24
1	..	1	...	..	..	2	..	2	..	..	1	21	21	Pleurisy & Pneumonia.	1
..	1	11	..	..	..	..	..	1	..	2	5	50	81	Skin Disease.....	..
3	..	8	..	..	3	..	3	1	1	5	..	85	70	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	1
6	18	67	2	7	7	5	6	43	5	57	59	752	604	Accidents and diseases not classified.....	36
26	48	187	10	23	22	23	16	71	13	93	92	1591	1244	.... TOTAL	86

Typhus. *e* 2 Typhus and 1 Febricula. *f* 16 Typhus. *g* 1 Typhus, removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	1	..	..	..	..	..	..	..	..	..	2	2
Measles	..	..	..	..	..	..	..	..	..	..	..	..	5
Whooping-cough	2	1	1	..	1	2	..	1	1	12	..	21	1
Scarlatina	..	..	..	..	..	1	..	2	..	..	..	3	3
Diarrhœa	..	2	..	..	1	1	2	..	..	2	2	10	4
Fever	5	1	*a*4	2	*a*2	*a*2	*d*3	1	*e*2	*a*1	1	24	6
Diseases of the Lungs	15	13	14	9	4	11	4	..	9	28	8	115	74
Other causes	12	13	31	*b*11	10	*c*10	*c*26	8	16	*g*33	13	183	124
TOTAL NO. OF DEATHS.	35	31	50	22	18	27	35	12	28	76	24	358	219
TOTAL NO. OF BIRTHS.	48	43	14	24	19	33	23	23	31	55	23	336	326

a Typhus. *b* 4 Inquests. *c* 3 Inquests. *d* 2 Typhus and 1 Typhoid. *e* 1 Typhus and 1 Typhoid. *g* 10 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
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1	3	5	9	Diphtheria	..	..	..	..
39	53	59	151	Whooping-cough	179	132	113	424
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..	..	..	..	Puerperal Fever	..	..	..	..
19	14	18	51	Insanity	25	25	26	76
1022	976	949	2947	Bronchitis and Catarrh	1131	906	866	2903
6	13	14	33	Pleurisy	60	66	54	180
29	22	22	73	Pneumonia				
10	3	5	18	Carbuncle	..	..	..	..
3878	3515	3668	11061	Accidents, and all other Diseases.	5258	4151	4340	13749
5448	4945	5059	15452	TOTAL	6954	5480	5611	18045

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Penketh	2·812	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·460	29·452		29·451	29·450	29·423	29·455
Highest (Unreduced)	29·810	29·753		29·805	29·327	29 848	29·390
Lowest (Unreduced)	28·630	28·708		28·723	28·250	28·770	28·290
Range	1·180	1·045		1·082	1·077	1·078	1·100
Temperature.							
Adopted Mean	40·8	39·7		39·7	37·9	39·2	37·4
Range for Week	26·0	30·3		31·6	32·9	31·4	32·7
Daily Range	10·2	12·7		12·7	13·9	14·8	12·9
Maximum in Shade	55·0	55·3		53·5	52·5	55·4	52·2
Minimum in Shade	29·0	25·0		21·9	19·6	24·0	19·5
Temperature of Dew Point	35·5	37·2		34·2	35·6	35·5	34·5
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·812	0·912		0·808	0·912	0·872	0·888
Prevailing Winds		SE,NE		NE	NE	NE	E,NE
Rain	....	0·487		0·424	0·355	0·356	0·563
Ozonometer.							
Moffat	.....	1·14		0·85	.....	.....	.....
Shonbein	.....	1·00		0·00	2·80	3·80	.....

March 24, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MARCH 31, 1866. No. 296.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 31st of March, 1,366 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Of this number 80 terminated fatally, being at the rate of 1 death to every 17 cases. In the two preceding weeks the applications for relief were still more numerous, the respective returns amounting to 1,525 and 1,591.

Under Continued Fever it is satisfactory to observe a decided improvement, 101 instead of 146 cases being returned; about half the number are ascribed to true Typhus. The deaths in public practice from this cause were very numerous, no fewer than 18 being registered in the course of the week.

Under Bronchitis and other diseases connected with the respiratory organs there is a decided improvement; a fortnight ago 311 cases were recorded, last week 267.

Whooping-Cough, likewise, which for several months has been raging with epidemic intensity, appears to be subsiding; the number of new cases having fallen from 21 to 11.

Small-Pox, Measles, and Scarlet Fever, all continue singularly mild, only 10 cases being entered in the three columns devoted to them.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 363 deaths were registered in the eleven districts of the Sanitary Association. The return is high and unsatisfactory, inasmuch as this week, no less than last, the deaths exceeded the births.

Fever, under its various forms, proved fatal to 29 persons, considerably more than in the two preceding weeks. On the other hand there was a fall in the mortality arising from diseases of the lungs.

In London, according to the last return of the Registrar General, the deaths nearly exactly corresponded with the estimated average.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 49·8°, which is 6·5° above the average. At the Royal Infirmary it was 47·5°, at Eccles 47·6°, and at Old Trafford 48·3°.

Mr. Heap furnishes the accompanying table, setting forth the quantity of rain which fell in March at several of the stations :—

	Inches.		Days.
Royton	2·295	....	16
Old Trafford	2·168	....	17
Eccles	2·157	....	22
Castleton Moor	2·144	....	16
Penketh	1·967	....	16

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... " " 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	..	..	3	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	1	1	2	10	..	4	1	..	..	1	1	..
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	4	..	4	..	*a*7	2	17	24	*b*4	..	..	*c*4	*d*2	4	..	..
Erysipelas	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..
Rheumatism	3	2	..	..	..	1	6	15	2	15	2	..	..	..	1	..
Neuralgic Affections	..	..	1	..	..	1	2	4	3	6	1	..	..	..	2	4
Constitutional Syphilis	..	..	..	..	..	..	..	5	..	13	1	..	..	1	..	2
Phthisis	..	..	..	..	..	1	1	5	..	17	2	3	..	..	2	..
Insanity	..	..	2	..	..	..	2	7	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	5	..	3	5	9	22	18	4	30	4	2	7	4	17	11
Pleurisy and Pneumonia	..	1	..	2	..	1	4	4	1	3	1	..	1	..	2	..
Skin Diseases	..	..	..	..	..	..	..	7	..	5	..	..	..	5	6	2
Dyspepsia	..	1	..	..	..	..	1	10	..	14	..	..	1	1	11	3
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	10	2	7	5	2	8	34	17	31	217	3	4	5	35	11	2
TOTAL	18	11	14	10	15	24	92	128	47	325	15	14	16	54	54	24

a 1 Removed to Workhouse. *b* 3 Typhus and 1 Typhoid. *c* Typhus. *d* Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL
(13) Mr. H. RUNCORN
(14) Dr. WHITEHEAD
(15) ,, J OGDEN FL
(16) Mr. J. TEALE,

NITARY ASSOCIATION.

S OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 31st day of March, 1866.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477			646		508	2650				Area in Statute Acres.
70,967				68,209			44,850		21739	24,448				Population in 1861.
W CT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Workhouse.	Dispensary.	New Bailey		St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	1	..	..	..	2	18	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	2	..	...	..	..	..	..	..	..	..	3	5	Measles	..
..	..	3	..	..	..	..	..	1	..	..	..	5	4	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	3	..	..	1	..	..	1	..	1	..	11	3	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	5	3	..	..	..	..	..	..	..	4	33	25	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dysentery	..
5	e8	9	..	f4	..	5	g2	1	1	..	e4	101	48	Continued Fever	18
..	..	..	..	1	..	1	2	1	1	1	..	11	3	Erysipelas	..
2	1	8	2	3	2	..	..	2	1	3	4	69	84	Rheumatism	..
..	..	5	..	..	..	..	..	..	..	..	..	27	10	Neuralgic Affections	..
..	1	3	..	..	..	..	..	1	1	..	2	30	35	Constitutional Syphilis	..
..	1	11	..	1	..	1	..	1	2	3	..	50	49	Phthisis	6
..	..	..	..	..	..	..	1	..	..	..	..	10	7	Insanity	..
2	1	38	6	3	3	4	6	7	2	21	18	243	210	Bronchitis, Influenza, and Catarrh	9
..	..	..	1	..	..	..	2	1	..	..	4	24	28	Pleurisy & Pneumonia.	1
..	..	13	..	1	..	..	..	1	1	..	16	57	79	Skin Disease	..
3	..	17	..	..	2	..	4	3	..	3	4	77	86	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia	..
8	18	71	1	3	4	6	4	37	1	37	50	612	683	Accidents and diseases not classified	45
20	30	188	13	16	12	17	21	59	10	69	106	1366	1377	TOTAL	80

e 6 Typhus. *f* Febricula, 2 removed to Workhouse. *g* 1 Removed to Workhouse.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	8
Measles	..	..	...	..	..	..	..	..	..	..	..	..	4
Whooping-cough	1	1	..	1	..	..	1	..	2	8	2	16	5
Scarlatina	..	1	1	..	..	..	..	1	2	1	..	6	1
Diarrhœa	3	1	1	2	1	..	..	..	..	..	1	9	5
Fever	3	3	*c*6	*d*1	*f*3	*g*3	*h*8	..	1	1	..	29	10
Diseases of the Lungs	9	13	16	6	5	10	3	..	15	20	4	101	91
Other causes	*a*14	*b*13	35	*e*8	17	*e*12	*e*21	*i*22	18	29	13	202	240
TOTAL NO. OF DEATHS.	30	32	59	18	26	25	33	23	38	59	20	363	364
TOTAL NO. OF BIRTHS.	44	35	17	22	12	25	31	21	27	49	25	308	388

a 7 Inquests. *b* 4 Inquests. *c* Typhus. *d* Typhoid. *e* 1 Inquest. *f* 1 Typhus and 1 Typhoid. *g* 1 Typhus and 2 Typhoid. *h* 6 Typhus aud 2 Typhoid. *i* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL.	DISEASE.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL
10	6	7	23	Small-pox	19	18	20	57
11	26	7	44	Chicken-pox	2	1	1	4
94	72	37	203	Measles	65	5	10	80
40	26	20	86	Scarlatina	27	39	28	94
1	3	5	9	Diphtheria	..	..	..	..
39	53	59	151	Whooping-cough	179	132	113	424
4	2	1	7	Croup	1	..	2	3
265	199	226	690	Diarrhœa	140	99	111	350
3	..	2	5	Dysentery	8	9	8	25
..	1	1	2	Cholera	..	..	..	..
17	14	18	49	Erysipelas	39	29	32	100
..	..	..	..	Puerperal Fever	..	..	..	..
19	14	18	51	Insanity	25	25	26	76
1022	976	949	2947	Bronchitis and Catarrh	1131	906	866	2903
6	13	14	33	Pleurisy	60	66	54	180
29	22	22	73	Pneumonia				
10	3	5	18	Carbuncle	..	..	..	..
3878	3515	3668	11061	Accidents, and all other Diseases.	5258	4151	4340	13749
5448	4945	5059	15452	TOTAL	6954	5480	5611	18045

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·986	30·022		30·011	30·019	30·013	30·025
Highest (Unreduced)	30·028	30·058		30·109	29·596	30·158	29·680
Lowest (Unreduced)	29·542	29·586		29·675	29·182	29·746	29·266
Range	0·486	0·472		0·434	0·414	0·412	0·414
Temperature.							
Adopted Mean	47·5	48·3		47·6	46·4	48·8	45·8
Range for Week	17·1	26·0		25·4	25·0	34·8	23·5
Daily Range	9·9	13·4		10·8	12·1	13·0	9·9
Maximum in Shade	54·7	60·0		58·7	56·0	64·3	55·5
Minimum in Shade	37·6	34·0		33·3	31·0	29·5	32·0
Temperature of Dew Point	44·5	46·6		43·2	43·4	44·2	43·5
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·893	0·944		0·859	0·902	0·846	0·915
Prevailing Winds		SE, SW		SW	SW	NW, W	W, SW
Rain	....	0·667		0·680	0·770	0·711	0·832
Ozonometer.							
Moffat	.....	0·28		0·00	.....	.....	.....
Schonbein	.....	0·14		0·00	4·20	5·50	.....

March 31, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, APRIL 7, 1866. No. 297.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 7th instant, 1,363 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. This number very nearly corresponds with that recorded in the two preceding weeks. The deaths at the same time among patients of the same class amounted to 68, or 1 in 20.

The most satisfactory feature in the present return is the remarkable decrease in the number of new cases of Continued Fever. Last week these cases did not exceed 56; a fortnight ago 146 were recorded, and even in the preceding return 101. Of the 56 cases 19 are ascribed to Typhus Fever; of the latter 12 were admitted into the Manchester Workhouse, and 4 more into the Salford Workhouse.

Whooping-Cough still continues less prevalent than it was a few weeks ago. In this return only 13 cases are referred to, 5 of which were observed at St. Mary's Hospital, and 4 at the Salford Hospital.

Under diseases connected with the respiratory organs there is a still further decrease, the respective number of new cases during the three last weeks being 293, 267, and 246.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 323 deaths were registered in the eleven districts of the Sanitary Association. In the preceding week they were still more numerous, amounting to 363.

Although, as has been observed in the disease portion of this Summary, there is a remarkable fall in the number of new cases of Continued Fever, nevertheless there is no corresponding diminution in the number of deaths, no fewer than 29 being attributed to this cause. Thirty-one more are assigned to Whooping-Cough.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by 103.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·4°; at Old Trafford, last week the warmest of the Manchester stations, it was 41·3°, and at Eccles 40·8°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	5	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Diarrhœa	..	..	..	..	1	..	1	4	..	7	..	..	..	3	1
Dysentery	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Continued Fever	*a*3	..	*b*2	1	1	*a*3	10	12	*c*2	..	..	*b*2	..	2	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	3	..	..	1	..	..	4	15	1	19	2	..	1	..	..
Neuralgic Affections	..	..	..	..	..	..	..	2	2	8	1	..	2	..	4
Constitutional Syphilis	..	..	..	..	..	..	..	3	..	27	..	..	..	1	..
Phthisis	1	..	..	1	2	..	4	4	..	20	1	1	3	..	..
Insanity	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	5	5	1	5	5	28	16	1	30	4	6	9	7	5
Pleurisy and Pneumonia	..	..	..	1	..	..	1	..	..	3	..	1	..	1	..
Skin Diseases	..	..	6	1	..	..	7	4	..	10	..	..	..	2	10
Dyspepsia	..	..	..	..	..	..	..	26	..	12	..	..	..	1	12
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	15	5	24	8	3	19	74	30	31	184	4	7	6	45	15
TOTAL	30	11	37	14	13	27	132	116	37	320	12	17	22	68	51

a Febricula. *b* 1 Typhus and 1 Febricula. *c* 1 Typhus and 1 Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
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(8) Dr. GEORGE REEK,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 7th day of April, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	1	..	..	..	..	3	14	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	1	..	1	..	..	..	..	..	..	..	4	7	Measles	..
..	..	3	..	1	..	..	1	1	..	..	2	9	3	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	..	1	..	..	..	..	1	1	13	6	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	..	4	1	..	..	..	..	1	1	..	2	29	17	Diarrhœa	..
..	1	..	..	..	..	..	..	..	..	..	..	2	3	Dysentery	..
2	*d*8	6	..	*a*2	1	1	..	1	1	..	3	56	57	Continued Fever	8
..	1	..	1	..	..	..	..	..	..	1	..	3	4	Erysipelas	..
2	..	10	1	1	3	..	2	1	1	4	4	73	74	Rheumatism	..
..	..	6	..	..	2	..	..	..	..	..	..	30	12	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	..	..	1	3	41	28	Constitutional Syphilis	..
3	..	13	..	2	..	1	..	..	1	2	1	57	75	Phthisis	5
..	1	..	..	..	..	..	..	..	..	..	..	2	15	Insanity	1
6	..	41	5	7	8	2	5	10	2	18	16	237	220	Bronchitis, Influenza, and Catarrh.....	5
..	..	1	..	..	..	..	..	..	..	..	2	9	11	Pleurisy & Pneumonia.	4
..	6	15	..	1	..	..	..	2	1	..	10	71	90	Skin Disease.....	..
1	1	12	1	..	4	..	4	1	1	1	5	86	72	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	1
14	8	66	2	4	8	5	8	52	4	36	25	637	755	Accidents and diseases not classified.....	42
29	26	186	11	19	27	9	21	70	12	64	74	1363	1464	.... TOTAL	68

d 4 Typhus and 4 Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	3	..	...	..	..	..	..	..	..	..	..	3	6
Whooping-cough	1	1	..	2	2	6	8	2	2	6	1	31	2
Scarlatina	..	1	..	..	..	..	1	..	..	1	..	3	2
Diarrhœa	2	1	1	..	..	..	..	..	..	..	..	4	2
Fever	1	1	*a*8	*a*1	*b*3	*c*3	*e*5	1	..	*b*5	*g*1	29	12
Diseases of the Lungs	16	8	17	7	..	9	5	2	14	16	3	97	83
Other causes	17	13	12	4	21	*d*9	*f*27	*d*14	11	19	9	156	132
TOTAL NO. OF DEATHS.	40	25	38	14	26	27	46	19	27	47	14	323	240
TOTAL NO. OF BIRTHS.	49	51	17	15	28	33	30	16	33	64	27	363	346

a Typhus. *b* 2 Typhus. *c* 2 Typhus and 1 Typhoid. *d* 1 Inquest. *e* 3 Typhus. *f* 2 Inquests. *g* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL.	DISEASE.	5 Weeks ending 30th Dec.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	TOTAL
10	6	7	23	Small-pox	19	18	20	57
11	26	7	44	Chicken-pox	2	1	1	4
94	72	37	203	Measles	65	5	10	80
40	26	20	86	Scarlatina	27	39	28	94
1	3	5	9	Diphtheria	..	..	..	..
39	53	59	151	Whooping-cough	179	132	113	424
4	2	1	7	Croup	1	..	2	3
265	199	226	690	Diarrhœa	140	99	111	350
3	..	2	5	Dysentery	8	9	8	25
..	1	1	2	Cholera	..	..	..	..
17	14	18	49	Erysipelas	39	29	32	100
..	..	..	..	Puerperal Fever	..	..	..	..
19	14	18	51	Insanity	25	25	26	76
1022	976	949	2947	Bronchitis and Catarrh	1131	906	866	2903
6	13	14	33	Pleurisy	60	66	54	180
29	22	22	73	Pneumonia				
10	3	5	18	Carbuncle	..	..	..	..
3878	3515	3668	11061	Accidents, and all other Diseases.	5258	4151	4340	13749
5448	4945	5059	15452	TOTAL	6954	5480	5611	18045

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·818	29·833		29·829	29·813	29·819	
Highest (Unreduced)	30·124	30·116		30·189	29·650	30·192	
Lowest (Unreduced)	29·402	29·388		29·347	28·886	29·488	
Range	0·722	0·728		0·846	0·764	0·704	
Temperature.							
Adopted Mean	41·4	41·3		40·8	38·6	40·7	
Range for Week	17·5	20·0		20·6	18·0	21·9	
Daily Range	7·4	12·2		12·4	10·1	14·1	
Maximum in Shade	52·7	52·0		51·6	47·0	53·5	
Minimum in Shade	35·2	32·0		31·0	29·0	28·6	
Temperature of Dew Point	37·6	34·8		34·3	33·9	35·3	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·866	0·783		0·784	0·830	0·815	
Prevailing Winds		SE,NE		NE	NE	E,NE	
Rain	....	0·047		0·069	0·525	0·478	
Ozonometer.							
Moffat	.....	0·00		1·71	.....	.....	.....
Shonbein	.....	0·00		0·00	1·10	1·40	.....

April 7, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, APRIL 14, 1866. No. 298.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 14th instant, 1,441 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 66, being in the proportion of 1 death to every 21 cases.

The very decided improvement observable under Continued Fever in our last return is still, to a certain extent, maintained. The new cases did not exceed 64, nearly 100 fewer than the number returned in the latter part of March. Twenty-five of them are specially referred to as examples of Typhus Fever.

Whooping-Cough, which for two successive weeks was steadily subsiding, appears once more to be lighted into activity. Twenty new cases were returned; 7 of the patients applied for relief at the Salford Hospital, and 4 more at St. Mary's.

Another disease which seems to be on the increase is Small-Pox. In the two preceding returns only 2 and 3 cases were recorded, in the present 7.

Bronchitis and kindred affections of the chest are far more prevalent than in the corresponding week of last year; at that time only 181 new cases were ascribed to disorders of this class, at present 235.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 323 deaths were registered in the eleven districts of the Sanitary Association, exactly the same number as that recorded in the preceding week.

It is satisfactory to find a very decided decrease under Continued Fever. In each of the two previous weeks 29 deaths were entered under this column, last week only 10. On the other hand the mortality arising from diseases of the respiratory organs was very high, amounting to 104 deaths.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by 120.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 47·8°; at the Royal Infirmary it was 46·8°, at Eccles 46·9°, and at Old Trafford 48·2°.

North-easterly winds very generally prevailed, and the rain fall in this neighbourhood was quite insignificant.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	..... Manchester Township 1,645														
Population in 1861	..... ,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	1	1	..	..	1	..	1	1
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	4	3
Croup	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	..	..	..	..	..	8	..	2	..	..	1	5	2
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*a*2	..	*b*2	..	*c*2	*d*3	9	17	*e*4	..	*f*2	*f*2	*d*3	8	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	2	1	..	1	..	..	4	13	1	14	..	..	2	1	3
Neuralgic Affections	..	..	..	..	..	..	..	4	2	3	2	..	2	..	5
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	9	..	..	..	1	2
Phthisis	..	1	1	2	..	..	4	8	1	22	4	2	1	..	1
Insanity	..	1	..	..	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	6	6	..	6	3	7	28	22	..	31	3	7	6	8	15
Pleurisy and Pneumonia....	..	..	1	..	..	..	1	2	..	5	..	1	..	..	..
Skin Diseases.....	2	..	..	..	..	1	3	16	..	18	..	..	..	6	14
Dyspepsia	1	..	..	1	1	..	3	30	..	28	..	..	3	3	8
Atrophy and Anæmia.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	29	8	17	9	7	10	80	27	51	206	8	5	12	40	16
TOTAL	44	17	21	20	13	21	136	153	60	338	19	18	30	77	71

a 1 Typhus. *b* 1 Febricula. *c* Removed to Workhouse. *d* Febricula. *e* 2 Typhus and 2 Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W.H. SUTCLIFFE, ,, THEODORE FENNELL

(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 14th day of April, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	1	..	..	7	15	Small-pox	..
..	..	..	..	..	..	..	..	1	..	..	..	1	1	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	1	..	2	2	Measles	..
..	..	..	..	1	..	..	2	..	2	..	1	8	6	Scarlatina	..
..	..	..	.	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
1	..	7	..	..	..	..	1	2	1	..	..	20	10	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup	..
2	..	2	1	..	..	..	..	2	1	..	1	29	32	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Dysentery	..
..	*h*1	5	..	*d*1	1	*i*6	..	..	1	*g*1	*h*2	64	63	Continued Fever	4
..	..	..	..	..	..	..	..	1	..	..	..	1	5	Erysipelas	..
1	..	11	2	..	1	..	2	2	1	2	1	63	60	Rheumatism	..
1	..	4	..	..	..	..	..	..	..	1	..	27	9	Neuralgic Affections ..	..
..	..	6	..	..	..	..	1	1	1	..	3	24	31	Constitutional Syphilis	..
1	..	15	..	..	..	*i*1	1	2	..	1	4	70	57	Phthisis	7
..	1	..	..	..	..	..	..	1	..	..	..	7	14	Insanity	..
3	2	36	4	6	9	2	3	12	4	10	15	235	181	Bronchitis, Influenza, and Catarrh.....	9
..	..	4	..	..	..	..	..	2	..	1	..	16	16	Pleurisy & Pneumonia.	..
1	..	12	..	..	..	..	1	2	..	..	9	87	78	Skin Disease.....	..
1	..	14	..	..	1	..	5	2	2	2	1	107	72	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	3	..	Atrophy and Anæmia..	1
10	5	58	3	4	6	5	3	34	3	41	42	669	781	Accidents and diseases not classified.....	43
21	9	174	10	12	18	14	20	65	17	60	79	1441	1438	.... TOTAL	66

f 1 Typhus and 1 Febricula. *g* Typhoid. *h* Typhus. *i* 1 Removed to Workhouse.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	1	..	...	..	2	..	1	..	..	..	1	5	7
Whooping-cough	1	..	..	..	..	3	3	..	1	8	..	16	3
Scarlatina	1	2	..	..	..	..	1	1	1	..	..	6	1
Diarrhœa	1	2	1	2	..	3	1	..	..	2	2	14	4
Fever	1	2	*b*2	..	..	2	*e*2	..	..	*g*1	..	10	17
Diseases of the Lungs	14	9	8	12	5	9	7	2	13	22	3	104	59
Other causes	13	*a*18	17	*c*9	13	*d*12	*f*16	11	11	*h*37	11	168	130
TOTAL NO. OF DEATHS.	32	33	28	23	20	29	31	14	26	70	17	323	223
TOTAL NO. OF BIRTHS.	59	49	23	19	24	28	53	22	22	57	29	385	291

a 5 Inquests. *b* 1 Typhus and 1 Gastric. *c* 4 Inquests. *d* 2 Inquests. *e* Typhus. *f* 3 Inquests. *g* Typhoid. *h* 2 cases of Hydrophobia, a male aged 21 and a girl aged 12 years, also 4 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL.	DISEASE.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL
6	7	12	25	Small-pox	18	20	11	49
26	7	3	36	Chicken-pox	1	1	..	2
72	37	72	181	Measles	5	10	15	30
26	20	13	59	Scarlatina	39	28	28	95
3	5	1	9	Diphtheria	..	..	..	..
53	59	78	190	Whooping-cough	132	113	111	356
2	1	1	4	Croup	..	2	3	5
199	226	374	799	Diarrhœa	99	111	144	354
..	2	3	5	Dysentery	9	8	36	53
1	1	..	2	Cholera	..	..	..	..
14	18	26	58	Erysipelas	29	32	37	98
..	..	..	..	Puerperal Fever	..	..	..	..
14	18	20	52	Insanity	25	26	47	98
976	949	1287	3212	Bronchitis and Catarrh	906	866	1337	3109
13	14	16	43	Pleurisy }	66	54	93	213
22	22	29	73	Pneumonia }				
3	5	6	14	Carbuncle	..	..	..	..
3515	3668	4531	11714	Accidents, and all other Diseases.	4151	4340	5560	14051
4945	5059	6472	16476	TOTAL	5480	5611	7422	18513

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH

	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·820	29·842		29·860	29·820	29·828	29·847
Highest } Unreduced	30·125	30·088		30·121	29·650	30·176	29·720
Lowest } Unreduced	29·347	29·350		29·361	28·886	29·416	29·000
Range	0·778	0·738		0·760	0·764	0·760	0·720
Temperature.							
Adopted Mean	46·8	48·2		46·9	45·8	47·4	45·2
Range for Week	21·8	24·4		23·5	22·2	28·1	21·7
Daily Range	10·4	12·8		10·9	13·2	14·2	10·2
Maximum in Shade	61·8	64·4		61·5	60·0	62·3	59·0
Minimum in Shade	40·0	40·0		38·0	37·8	34·2	37·3
Temperature of Dew Point	43·9	41·5		40·5	40·8	41·3	40·3
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·897	0·778		0·790	0·828	0·801	0·824
Prevailing Winds		NE, SE		NE SE	NE SE	ENE, SW	ENE, SW
Rain	....	0·014		0·054	0·170	0·123	0·184
Ozonometer.							
Moffat	.....	1·43		0·57	.....	.....	.....
Shonbein	.....	1·14		0·00	3·20	3·60	.....

April 14, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

OL. VI.] WEEK ENDING SATURDAY, APRIL 21, 1866. No. 299.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 21st instant, 1,405 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among these patients amounted to 53, being in the proportion of 1 death to every 26 cases.

The most unfavourable feature in the present return is the renewed frequency of Continued Fever; in the two preceding weeks the respective number of new cases was 56 and 64, last week it rose to 96. Forty-six, or about one-half of them are ascribed to Typhus Fever. Sixteen cases of this form of Fever were admitted into the Manchester Workhouse, 12 into the Royal Infirmary, and 12 into the Chorlton Workhouse.

Five new cases of Small-pox were recorded in the course of the week, two of which proved examples of Confluent Small-pox, occurring in persons who had never been vaccinated.

Under Diarrhœa and Dysentery we observe this week an increase of 8 cases, due probably to the rise in the temperature of the air. To this cause, likewise, is to be ascribed a considerable decrease in the column assigned to Bronchitis and kindred affections of the chest.

Among the unclassified cases Mr. Meacham refers to a severe lacerated wound of the finger, due to the bite of a dog, and directs attention to the danger of Hydrophobia.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

In the week terminating on Saturday, the 21st of April, 296 deaths were registered in the eleven districts of the Sanitary Association. In the two preceding weeks the rate of mortality was still higher.

Twenty deaths are ascribed to Fever, and 20 more to Whooping cough.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 140. No fewer than 11 persons died in consequence of being run over by conveyances in the streets.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 50·8°; at Old Trafford it was 49·7°, and at the Royal Infirmary 48·8°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	*b*1	..	*c*1	..	..	2	..	1	..	..	1	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..
Scarlatina	..	..	..	..	..	..	..	..	1	..	..	2	1	..	2
Diphtheria	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Whooping-cough	..	1	..	1	..	..	2	..	..	..	..	..	..	3	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	..	..	8	..	2	..	..	2	2	5
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever	*a*4	..	..	..	3	*d*5	12	16	*e*14	4	1	3	*f*6	2	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Rheumatism	..	..	..	..	..	..	..	12	4	17	2	1	3	..	3
Neuralgic Affections	..	..	..	..	..	..	..	3	3	..	..	..	..	..	3
Constitutional Syphilis	..	..	..	..	..	..	..	3	..	20	..	..	..	2	2
Phthisis	..	..	..	..	1	1	2	5	..	21	3	3	1	2	4
Insanity	..	..	1	1	..	..	2	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	6	3	1	1	3	18	18	..	32	2	4	8	3	12
Pleurisy and Pneumonia	2	..	..	..	..	..	2	3	1	5	..	..	1	..	..
Skin Diseases	..	..	..	..	..	..	..	8	..	10	..	..	..	3	15
Dyspepsia	..	..	..	..	..	..	..	20	..	24	..	..	1	6	12
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	18	5	11	5	2	14	55	23	46	227	7	8	4	36	22
TOTAL	29	14	15	9	7	23	97	122	71	362	15	23	28	60	80

a 1 Removed to Workhouse. *b* Confluent, not vaccinated. *c* Confluent not vaccinated, second attack. *d* 1 Feb

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT.
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr T. J. WEBSTER.
(8) Dr. GEORGE REEE,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE. „ THEODORE FENNELL
(13) Mr. H. RUNC
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 21st day of April, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	1	..	..	..	..	..	..	..	..	5	24	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	2	2	..	Chicken-pox	..
..	..	4	..	..	..	..	..	..	..	1	..	7	8	Measles	..
..	..	3	..	..	..	..	..	2	..	..	..	11	10	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Diphtheria	..
..	..	5	..	..	2	..	..	1	..	..	..	13	8	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	1	1	..	Croup	..
1	..	3	3	..	1	1	..	2	2	..	..	36	21	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Dysentery	..
2	3	5	..	*d*1	1	*a*7	*g*3	2	1	..	*h*12	96	58	Continued Fever	9
..	..	..	..	..	..	1	..	1	..	..	..	4	11	Erysipelas	..
1	..	7	..	4	4	..	..	2	1	3	1	69	84	Rheumatism	2
..	..	3	..	..	1	..	..	..	..	..	..	15	13	Neuralgic Affections ..	..
..	..	4	1	..	..	..	1	1	1	..	2	41	38	Constitutional Syphilis	..
1	1	11	..	1	..	..	1	1	1	..	4	66	46	Phthisis	13
..	1	..	..	..	..	..	..	..	..	..	..	7	13	Insanity	..
4	..	35	5	2	3	3	3	5	2	9	9	185	181	Bronchitis, Influenza, and Catarrh.....	8
..	..	3	..	..	..	..	1	1	..	..	..	17	15	Pleurisy & Pneumonia.	..
..	..	4	..	..	2	..	1	2	1	..	17	66	97	Skin Disease.....	..
..	..	9	..	1	4	1	3	5	..	1	5	94	86	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	1
4	4	83	2	6	3	5	6	35	6	32	42	667	749	Accidents and diseases not classified.....	20
13	9	179	12	15	21	18	19	61	15	46	95	1405	1465	.... TOTAL	53

e 12 Typhus and 2 Typhoid. *f* 3 Typhus and 3 Febricula. *g* Typhus, 2 removed to Workhouse. *h* Typhus.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. C. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	4
Measles	..	..	..	..	1	..	..	..	..	..	1	2	3
Whooping-cough	1	..	2	..	1	6	1	..	3	6	..	20	4
Scarlatina	2	..	..	..	..	..	..	..	2	..	..	4	1
Diarrhœa	..	..	..	..	1	..	1	..	..	1	1	4	9
Fever	5	1	4	*a*3	1	*a*1	*c*2	..	2	*f*1	..	20	12
Diseases of the Lungs	10	12	13	7	4	12	8	3	8	24	4	105	50
Other causes	9	13	15	12	10	*b*5	*d*19	9	*e*12	28	9	141	161
TOTAL NO. OF DEATHS.	27	26	34	22	18	24	31	12	27	60	15	296	244
TOTAL NO. OF BIRTHS.	35	41	14	17	18	30	29	25	38	73	22	342	340

a 1 Typhoid. *b* 1 Inquest. *c* 1 Typhus. *d* 3 Inquests. *e* 2 Inquests. *f* Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL.	DISEASE.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL
6	7	12	25	Small-pox	18	20	11	49
26	7	3	36	Chicken-pox	1	1	..	2
72	37	72	181	Measles	5	10	15	30
26	20	13	59	Scarlatina	39	28	28	95
3	5	1	9	Diphtheria	..	..	..	..
53	59	78	190	Whooping-cough	132	113	111	356
2	1	1	4	Croup	..	2	3	5
199	223	374	799	Diarrhœa	99	111	144	354
..	2	3	5	Dysentery	9	8	36	53
1	1	..	2	Cholera	..	..	..	..
14	18	26	58	Erysipelas	29	32	37	98
..	..	..	..	Puerperal Fever	..	..	..	..
14	18	20	52	Insanity	25	26	47	98
976	949	1287	3212	Bronchitis and Catarrh	906	866	1337	3109
13	14	16	43	Pleurisy	66	54	93	213
22	22	29	73	Pneumonia				
3	5	6	14	Carbuncle	..	..	..	..
3515	3668	4531	11714	Accidents, and all other Diseases.	4151	4340	5560	14051
4945	5059	6472	16476	TOTAL	5480	5611	7422	18513

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·880	29·917		29·881	29·860	29·902	29·928
Highest (Unreduced)	30·114	30·259		30·167	29·654	30 310	29·840
Lowest (Unreduced)	29·610	29·618		29·573	29·034	29·706	29·258
Range	0·504	0·641		0·594	0·620	0·604	0·582
Temperature.							
Adopted Mean	48·8	49·7		48·8	46·4	49·2	45·4
Range for Week	17·8	28·5		24·0	24·8	26·5	24·9
Daily Range	11·0	18·1		14·8	15·6	17·7	14·4
Maximum in Shade	58·3	63·5		60·0	58·2	61·7	59·0
Minimum in Shade	40·5	35·0		36·0	33·4	35·2	34·1
Temperature of Dew Point	45·7	41·4		39·4	39·5	39·9	41·3
Hygrometrical condition of the Atmosphere	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0 890	0·737		0·700	0·766	0·702	0·855
Prevailing Winds		SW		SW	S SW	S,SW	W,SW
Rain	....	0·138		0·187	0·329	0·172	0·424
Ozonometer.							
Moffat	.....	1·86		0·85	.....	.....	.....
Shonbein	.....	1·43		0·00	4·80	5·64	.....

April 21, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, APRIL 28, 1866. No. 300.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 28th of April, 1,451 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the preceding week the new cases amounted to 1,405, and in the corresponding one of last year to 1,452. Among the patients of the same class there were 57 deaths, or 1 in every 25 cases.

The seizures from Continued Fever were considerably less numerous than in the preceding week; at that time 96 new cases were returned, last week 71. Of this number only 21 are attributed to Typhus Fever.

Under Bronchitis and kindred affections of the chest there was an increase of 33 cases, the respective numbers for the two weeks being 202 and 235. Whooping-cough, likewise, appears to be once more lighted into activity; in the preceding return only 13 cases were recorded, in this 25.

Among the deaths met with in public practice 2 are ascribed to Constitutional Syphilis, 1 of which occurred among the patients of the Salford Dispensary, the other among those of the Chorlton Workhouse.

Only 2 cases of Small-pox are returned; in the corresponding week of last year there were 15.

Diarrhœa is considerably more prevalent than in the corresponding week of last year.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 289 deaths were registered in the eleven districts of the Sanitary Association. The total, though considerable, is an improvement on the two preceding returns, when the numbers were 323 and 296. Twenty of the deaths are ascribed to Fever, and 85 to diseases connected with the chest.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 137.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52·6°; at Old Trafford, last week the warmest of the Manchester stations, it was 53·1°, and at Eccles 52·6°.

In the neighbourhood of London upwards of half an inch of rain was measured, but at these stations the fall was quite insignificant.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

ommittee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Scarlatina	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	1	1	..	..	..	..	..	..	6	3	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	..	1	..	1	..	..	4	..	..	..	5	6	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	*a*1	..	*b*2	..	..	*c*4	7	9	*d*2	..	..	*e*6	*b*1	9	..	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatism	..	1	..	2	1	2	6	27	1	12	..	3	2	2	..	
Neuralgic Affections	..	..	1	..	..	..	1	..	1	..	..	..	..	..	1	
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	18	..	..	1	..	1	
Phthisis	..	1	..	..	2	..	3	..	1	24	3	1	1	..	1	
Insanity	..	1	..	..	..	..	1	6	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	4	3	2	5	1	1	16	31	1	33	3	1	3	7	13	
Pleurisy and Pneumonia	..	2	..	1	..	..	3	..	..	2	..	..	..	1	4	
Skin Diseases	..	..	..	..	..	..	..	13	..	23	..	..	..	5	18	
Dyspepsia	1	2	..	..	1	..	4	7	..	38	..	..	1	5	12	
Atrophy and Anæmia	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	16	6	10	8	2	10	52	64	51	252	6	3	4	54	15	
TOTAL	22	16	15	16	10	18	97	157	58	406	12	14	13	94	74	

a Febricula. *b* 1 Typhus. *c* 3 Febricula. *d* 1 Typhus and 1 Typhoid. *e* 1 Typhus, 1 Typhoid, and 4 Febricula.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

NITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 28th day of April, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	1	..	..	..	2	15	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	5	..	1	..	..	..	..	..	..	..	6	6	Measles	..
..	..	6	..	..	..	..	3	1	..	..	..	11	8	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	11	..	..	..	2	2	..	..	..	..	25	7	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	7	2	..	1	1	..	2	1	..	2	35	25	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dysentery	..
..	7	6	..	*f*6	..	5	*g*1	1	2	2	*h*3	71	44	Continued Fever	13
1	..	3	..	..	..	..	..	1	..	..	..	5	4	Erysipelas	..
2	..	8	1	..	3	..	1	1	1	1	3	77	88	Rheumatism	..
2	..	4	..	..	..	..	..	2	..	..	..	12	14	Neuralgic Affections ..	1
1	1	6	..	..	..	..	..	1	1	..	2	35	35	Constitutional Syphilis	2
2	..	13	..	..	..	1	..	1	1	1	2	58	60	Phthisis	10
..	1	..	..	..	..	..	..	..	..	..	..	8	5	Insanity	..
4	2	41	4	6	6	3	8	3	3	12	7	218	196	Bronchitis, Influenza, and Catarrh.....	8
1	..	3	..	..	..	..	..	..	1	..	2	17	20	Pleurisy & Pneumonia.	1
1	1	13	..	1	2	3	..	1	2	..	6	91	90	Skin Disease.....	..
..	..	9	..	..	4	..	4	2	1	2	1	93	99	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	3	..	Atrophy and Anæmia..	..
..	2	53	3	3	5	5	2	23	2	44	35	684	735	Accidents and diseases not classified.....	21
14	15	188	10	17	21	20	21	41	15	62	63	1451	1452	.... TOTAL	57

Typhus and 2 Febricula, 2 removed to Workhouse. *g* Typhus, removed to Workhouse. *h* Typhus.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	8
Measles	..	..	...	..	2	1	..	..	..	..	..	3	2
Whooping-cough	1	1	1	1	2	1	1	1	..	3	2	14	6
Scarlatina	1	..	..	..	1	3	..	..	1	..	..	6	3
Diarrhœa	1	..	..	..	2	2	1	..	..	2	..	8	5
Fever	4	4	*a*4	*a*1	*b*2	..	1	..	*d*2	1	1	20	12
Diseases of the Lungs	10	10	16	9	..	12	7	1	5	13	2	85	67
Other causes	10	15	14	3	23	*c*18	18	8	12	23	9	153	121
TOTAL NO. OF DEATHS.	27	30	35	14	32	37	28	10	20	42	14	289	219
TOTAL NO. OF BIRTHS.	43	44	9	13	17	54	16	21	33	66	24	340	344

a Typhus. *b* 1 Typhus and 1 Typhoid. *c* 2 Inquests. *d* 1 Gastric and 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL.	DISEASE.	4 Weeks ending 27th Jan.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	TOTAL
6	7	12	25	Small-pox	18	20	11	49
26	7	3	36	Chicken-pox	1	1	..	2
72	37	72	181	Measles	5	10	15	30
26	20	13	59	Scarlatina	39	28	28	95
3	5	1	9	Diphtheria	..	..	..	..
53	59	78	190	Whooping-cough	132	113	111	356
2	1	1	4	Croup	..	2	3	5
199	226	374	799	Diarrhœa	99	111	144	354
..	2	3	5	Dysentery	9	8	36	53
1	1	..	2	Cholera	..	..	..	..
14	18	26	58	Erysipelas	29	32	37	98
..	..	..	..	Puerperal Fever	..	..	..	..
14	18	20	52	Insanity	25	26	47	98
976	949	1287	3212	Bronchitis and Catarrh	906	866	1337	3109
13	14	16	43	Pleurisy }	66	54	93	213
22	22	29	73	Pneumonia }				
3	5	6	14	Carbuncle	..	..	..	..
3515	3668	4531	11714	Accidents, and all other Diseases.	4151	4340	5560	14051
4945	5059	6472	16476	TOTAL	5480	5611	7422	18513

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Macketh Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level		30·105		30·097	30·085	30·082	30·078
Highest } Unreduced		30·448		30·449	29·985	30·512	30·050
Lowest } Unreduced		29·422		29·425	28·959	29·500	29·002
Range		1·026		1·024	1·026	1·012	1·048
Temperature.							
Adopted Mean		53·1		52·6	50·4	53·0	50·4
Range for Week		44·5		42·8	42·2	46·7	39·5
Daily Range		23·1		22·2	21·1	26·6	22·7
Maximum in Shade		79·5		77·3	75·0	78·0	74·0
Minimum in Shade		35·0		34·5	32·8	31·3	34·5
Temperature of Dew Point		44·5		41·6	41·8	41·6	40·3
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·725		0·665	0·724	0·655	0·688
Prevailing Winds		NE		NE	NE	E,NE	NE
Rain	....	0·080		0·051	0·065	0·038	0·048
Ozonometer.							
Moffat	.....	0·00		1·42	.....	.....	.....
Shonbein	.....	0·00		0·00	2·30	1·90	.....

April 28, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, MAY 5, 1866. No. 301.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 5th instant, 1,279 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

The return, as a whole, is a decided improvement on those which, during many preceding weeks, have been analysed in these summaries. The proportion of deaths to cases (1 to 29) was, at the same time, below the average for the season.

Another satisfactory feature, in connection with the return of particular diseases, is the continued decrease in the number of new cases of fever. In the two preceding weeks the numbers were 96 and 71; last week only 44, while the Typhus seizures did not exceed 16.

Under Bronchitis and kindred affections of the chest there is a fall from 235 to 218 new cases.

Whooping-cough, likewise, appears to be somewhat less general than in the previous week; of 18 recorded cases 8 were seen among the patients of the Salford Hospital, and 5 among those of St. Mary's Hospital.

Two more deaths, among the patients seen in public practice, are ascribed to Constitutional Syphilis.

Measles, Scarlet Fever, and Small-pox, are all singularly mild at the present time; while, so far, there does not appear to be any unusual tendency to Diarrhœa.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 241 deaths were registered in the eleven districts of the Sanitary Association. In the two preceding weeks the rate of mortality was very much higher, and the state of the public health, so far as it can be guaged by this return, proportionally more satisfactory.

Seventeen deaths are attributed to Whooping-cough, and 17 more to Fever.

Out of 13 deaths, registered in the Chorlton district, 7 were in persons who had attained a very considerable age; 5 of them were women and 2 men. The following were their ages:—98, 86, 85, 80, 79, 74, and 70.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by 223.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·5°, or nearly 8 degrees below the average for the season; at Old Trafford, last week the warmest of the Manchester stations, it was 41·7°, at the Royal Infirmary 40·8°, and at Eccles 40·7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	
Scarlatina	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	5	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	1	..	2	3	3	..	..	..	..	..	1	2	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
Continued Fever	*a*1	..	*b*1	..	*a*3	*c*2	7	10	..	..	..	*c*1	*c*1	2	..	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatism	..	2	..	1	..	..	3	15	2	15	..	..	..	..	2	
Neuralgic Affections	..	..	1	..	..	..	1	..	3	3	..	..	1	..	4	
Constitutional Syphilis	..	..	..	..	..	..	..	10	..	11	..	..	1	..	2	
Phthisis	..	1	..	..	...	..	1	..	..	14	..	2	2	1	2	
Insanity	1	..	2	..	..	1	4	10	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	4	2	2	..	3	5	16	25	2	32	..	1	4	2	22	
Pleurisy and Pneumonia	1	..	..	..	..	..	1	..	2	1	..	1	..	..	2	
Skin Diseases	3	..	..	..	..	..	3	8	..	13	..	..	..	4	21	
Dyspepsia	..	..	..	..	..	..	..	7	..	16	1	..	..	1	9	
Atrophy and Anæmia	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	7	2	10	8	4	13	44	27	43	239	4	1	7	36	6	
TOTAL	18	8	16	10	10	25	87	115	53	344	5	6	16	54	72	

a Removed to Workhouse. *b* Typhus. *c* Febricula. *d* 3 Typhus, 1 Febricula, and 1 removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT.
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

NITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 5th day of May, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477			646		508	2650				Area in Statute Acres.
70,967				68,209			44,850		21739	24,448				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	1	..	..	..	3	7	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	3	..	..	1	..	..	..	..	..	..	6	6	Measles	..
..	..	4	..	..	..	..	..	2	..	..	..	7	12	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	8	..	..	1	2	..	..	1	..	..	18	7	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	4	3	..	3	..	..	3	1	..	3	29	36	Diarrhœa	..
..	..	..	..	..	..	..	1	..	..	..	..	2	5	Dysentery	..
..	*b*2	7	..	*d*5	1	4	*c*1	1	1	1	..	44	42	Continued Fever	2
..	..	..	..	..	..	..	..	..	1	..	..	1	6	Erysipelas	..
4	1	10	..	..	..	..	..	2	..	3	1	59	82	Rheumatism	..
3	..	3	..	..	..	..	..	..	..	..	..	21	12	Neuralgic Affections	..
2	..	3	..	..	1	..	..	1	1	..	2	36	25	Constitutional Syphilis	2
5	1	11	1	..	..	..	1	1	..	2	5	50	61	Phthisis	7
..	2	..	..	..	..	..	..	..	..	..	..	17	3	Insanity	..
9	..	43	5	4	1	2	3	3	1	7	21	209	155	Bronchitis, Influenza, and Catarrh	9
..	..	..	..	..	..	1	..	..	1	..	..	9	21	Pleurisy & Pneumonia.	1
..	1	8	..	..	..	..	4	1	..	..	3	69	88	Skin Disease	..
2	..	18	..	2	1	..	4	3	1	..	2	70	72	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia	..
12	10	61	3	1	1	6	6	38	4	30	44	627	711	Accidents and diseases not classified	22
37	17	184	12	12	10	15	20	57	12	43	81	1279	1351	TOTAL	44

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
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(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Lowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tship., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	..	..	..	..	..	..	..	..	..	..	..	6
Whooping-cough	..	2	1	..	1	3	2	..	4	3	1	17	11
Scarlatina	3	2	..	..	1	..	..	..	..	..	..	6	4
Diarrhœa	1	..	..	1	1	1	..	..	..	1	1	6	4
Fever	..	..	*a*7	..	*b*4	..	*b*3	..	..	*b*3	..	17	10
Diseases of the Lungs	12	8	7	5	1	6	1	..	5	15	5	65	37
Other causes	9	14	18	10	12	5	*c*19	6	*d*13	17	7	130	151
TOTAL NO. OF DEATHS.	25	26	33	16	20	15	25	6	22	39	11	241	225
TOTAL NO. OF BIRTHS.	54	28	22	22	22	27	18	19	26	59	20	317	302

a Typhus. *b* 2 Typhus. *c* 1 Inquest. *d* 5 Females and 2 Males, aged respectively, 93, 85, 85, 80, 79, 74, and 70.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL.	DISEASE.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL
7	12	11	30	Small-pox	20	11	17	48
7	3	2	12	Chicken-pox	1	..	3	4
37	72	45	154	Measles	10	15	19	44
20	13	8	41	Scarlatina	28	28	39	95
5	1	5	11	Diphtheria	..	..	1	1
59	78	60	197	Whooping-cough	113	111	71	295
1	1	1	3	Croup	2	3	2	7
226	374	334	934	Diarrhœa	111	144	129	384
2	3	2	7	Dysentery	8	36	3	47
1	..	..	1	Cholera	..	..	..	..
18	26	18	62	Erysipelas	32	37	13	82
..	..	..	..	Puerperal Fever	..	..	..	..
18	20	17	55	Insanity	26	47	24	97
949	1287	992	3228	Bronchitis and Catarrh	866	1337	875	3078
14	16	15	45	Pleurisy }	54	93	59	206
22	29	21	72	Pneumonia }				
5	6	5	16	Carbuncle	..	..	..	..
3668	4531	4017	12216	Accidents, and all other Diseases.	4340	5560	4405	14305
5059	6472	5553	17084	TOTAL	5611	7422	5660	18693

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	2·295	16
Old Trafford	2·168	17
Eccles	2·157	22
Castleton Moor	2·144	16
Penketh	1·967	16
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·817	29·810		29·791	29·798	29·806	
Highest } Unreduced	30·050	30·074		30·060	29·561	30·144	
Lowest } Unreduced	29·482	29·496		29·445	29·002	29·600	
Range	0·568	0·578		0·624	0·559	0·544	
Temperature.							
Adopted Mean	40·8	41·7		40·7	38·1	40·4	
Range for Week	24·4	27·0		26·9	31·7	31·9	
Daily Range	14·0	17·9		17·6	17·6	22·2	
Maximum in Shade	57·4	59·0		56·0	57·7	57·3	
Minimum in Shade	33·0	32·0		29·1	26·0	25·4	
Temperature of Dew Point	36·3	33·9		32·1	32·2	32·2	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·920	0·749		0·718	0·791	0·722	
Prevailing Winds		NE, SW		NE	NE	NE, NW	
Rain	....	0·344		0·342	0·385	0·481	
Ozonometer.							
Moffat	.....	0·00		0·59	.....	.....	.....
Shonbein	.....	0·00		0·00	3·18	2·50	.....

May 5, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MAY 12, 1866. No. 302.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 12th instant, 1,258 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the poorer class amounted to 64, or 1 to every 19 cases.

Though the number of new cases of Continued Fever did not exceed 51 the deaths were numerous, no fewer than 11 of the patients falling victims to the disease.

Thirteen cases of Scarlet Fever are recorded in the return, 4 of which were observed among the patients of the Chorlton Dispensary, 3 among those of the Salford Hospital, and 3 in District III. of the Royal Infirmary.

The number of new cases of Diarrhœa and Dysentery did not exceed 29. In the two preceding weeks the numbers were 35, and 31; and, in the corresponding week of last year, 23.

Under Bronchitis and kindred affections of the chest there is a very decided improvement; in the last week of April 235 new cases were recorded, in the present return only 174.

There were 52 cases of Constitutional Syphilis, 2 of which proved fatal; 22 of these patients applied for relief at the Royal Infirmary, and 12 at the Manchester Workhouse.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 264 deaths were registered in the eleven districts of the Sanitary Association; 23 more than in that which preceded it, and 54 more than in the corresponding week of last year.

No fewer than 26 deaths are assigned to Fever, a heavier death return from this disease than might have been anticipated from the marked improvement under our disease column.

In the Pendleton district 2 deaths are assigned to Diphtheria, and 1 each in the Deansgate and Ardwick districts.

According to the last return of the Registrar General the deaths, last week, exceeded the estimated number by 323.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 51·7°; at Old Trafford, last week the warmest of the Manchester stations, it was 51·1°; at Eccles 48·5°; and, at the Royal Infirmary, 48·4°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

mmittee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... " " 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	
Scarlatina	..	..	..	1	..	1	2	1	..	..	..	..	3	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	2	..	..	..	4	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	..	..	..	..	..	..	2	..	..	..	2	4	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	1	4	3	..	..	*a*4	12	3	..	..	..	*b*2	*c*1	6	*d*1	
Erysipelas	..	..	..	..	2	..	2	..	..	..	..	1	2	..	..	
Rheumatism	..	..	..	..	..	..	..	5	1	6	1	1	..	1	2	
Neuralgic Affections	..	..	..	..	..	..	..	..	3	1	..	..	1	1	5	
Constitutional Syphilis	..	..	..	..	..	1	1	12	..	21	1	..	..	..	1	
Phthisis	..	..	..	1	...	..	1	..	1	25	1	2	2	1	3	
Insanity	..	1	..	..	..	..	1	3	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	3	4	..	..	2	6	15	15	..	24	1	1	4	5	11	
Pleurisy and Pneumonia	1	1	..	1	..	..	3	..	..	3	..	..	..	..	3	
Skin Diseases	..	..	..	..	..	..	..	12	..	9	..	..	..	8	17	
Dyspepsia	..	1	..	..	2	..	3	8	..	19	1	..	1	..	10	
Atrophy and Anæmia	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	9	3	7	7	4	4	34	50	43	232	3	6	4	33	25	
TOTAL	15	14	11	10	10	16	76	110	48	344	8	13	18	61	82	

a 3 Typhus removed to Workhouse. *b* Typhus. *c* Febricula. *d* Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEL,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE PENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J. OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 12th day of May, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477			646		508	2650				Area in Statute Acres.
70,967				68,209			44,850		21739	24,448				Population in 1861.
LAW DIST.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	1	..	..	..	..	..	..	..	..	2	9	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	1	..	1	..	..	..	..	..	..	..	3	8	Measles	..
..	..	3	..	..	..	..	..	*f*4	..	..	..	13	7	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	1	..	2	1	1	..	..	..	15	8	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	5	2	..	..	1	..	3	..	..	4	27	23	Diarrhœa	..
..	..	..	..	..	..	..	..	..	1	..	..	2	3	Dysentery	..
2	*b*6	5	..	*e*2	2	2	*c*2	1	..	..	*b*2	51	53	Continued Fever	11
..	..	..	..	1	..	..	..	1	1	..	..	8	6	Erysipelas	1
..	3	12	1	3	3	..	3	3	..	2	1	51	72	Rheumatism	..
..	..	2	..	..	..	..	..	1	..	..	..	16	15	Neuralgic Affections	..
..	..	4	..	..	..	..	..	1	1	2	4	52	31	Constitutional Syphilis	2
1	..	9	..	..	..	1	1	1	..	3	2	55	65	Phthisis	9
1	3	..	..	..	..	..	..	..	1	..	..	9	3	Insanity	..
1	1	36	4	5	5	4	6	4	1	8	3	160	166	Bronchitis, Influenza, and Catarrh	9
2	..	..	..	1	..	..	..	..	..	1	1	14	14	Pleurisy & Pneumonia.	2
..	..	6	..	1	2	1	..	1	2	..	6	68	71	Skin Disease	..
1	..	15	..	..	5	2	2	3	1	2	4	78	82	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia	1
6	7	57	2	3	4	3	5	28	2	29	45	632	672	Accidents and diseases not classified	29
14	20	159	10	18	21	16	20	53	10	47	72	1258	1308	TOTAL	64

Typhus, 1 removed to Workhouse. *f* 3 Cases in one house.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Lipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	.	..	..	..	..	..	..	1
Measles	..	..	1	1	1	1	..	1	..	..	..	5	4
Whooping-cough	..	..	1	..	1	3	1	..	..	1	..	7	5
Searlatina	2	1	1	..	..	1	..	..	3	..	..	8	3
Diarrhœa	1	..	..	1	..	..	2	..	..	1	..	5	2
Fever	2	1	*a*6	*a*4	*b*3	*a*2	*e*3	*f*1	..	*e*4	..	26	12
Diseases of the Lungs	14	4	13	4	1	12	3	..	8	10	6	75	58
Other causes	11	13	21	8	*c*12	*d*11	16	*g*9	11	21	*c*5	138	125
TOTAL NO. OF DEATHS.	30	19	43	18	18	30	25	11	22	37	11	264	210
TOTAL NO. OF BIRTHS.	35	21	8	15	17	25	17	22	34	55	16	265	285

a Typhus. *b* 1 Typhus. *c* 1 Diphtheria. *d* 1 Inquest. *e* 2 Typhus. *f* Typhoid. *g* 2 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL.	DISEASE.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL
7	12	11	30	Small-pox	20	11	17	48
7	3	2	12	Chicken-pox	1	..	3	4
37	72	45	154	Measles	10	15	19	44
20	13	8	41	Searlatina	28	28	39	95
5	1	5	11	Diphtheria	..	..	1	1
59	78	60	197	Whooping-cough	113	111	71	295
1	1	1	3	Croup	2	3	2	7
226	374	334	934	Diarrhœa	111	144	129	384
2	3	2	7	Dysentery	8	36	3	47
1	..	..	1	Cholera	..	..	..	..
18	26	18	62	Erysipelas	32	37	13	82
..	..	..	..	Puerperal Fever	..	..	..	..
18	20	17	55	Insanity	26	47	24	97
949	1287	992	3228	Bronchitis and Catarrh	866	1357	875	3078
14	16	15	45	Pleurisy	54	93	59	206
22	29	21	72	Pneumonia				
5	6	5	16	Carbuncle	..	..	..	..
3668	4531	4017	12216	Accidents, and all other Diseases.	4340	5560	4405	14305
5059	6472	5553	17084	TOTAL	5611	7422	5660	18693

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL	Inches.	Wet Days.
Royton	1·099	14
Penketh	0·811	11
Eccles	0·361	9
Old Trafford	0·299	7
Castleton Moor		
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·870	29·883		29·883	29·878	29·885	29·873
Highest (Unreduced)	30·220	30·222		30·249	29·760	30·308	29·810
Lowest (Unreduced)	29·396	29·368		29·381	28·874	29·450	28·983
Range	0·824	0 854		0·868	0·886	0·858	0·827
Temperature.							
Adopted Mean	48·4	51·1		48·5	46·6	50·4	46·5
Range for Week	20·0	31·2		28·3	31·6	34·7	25·9
Daily Range	12·7	16·5		15 0	19·0	17·2	13·9
Maximum in Shade	58·6	65·0		60·4	60 6	64·0	57·5
Minimum in Shade	38·6	33·8		32·1	29·0	29·3	31·6
Temperature of Dew Point	45·5	42·7		41·2	41·0	41·4	40·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·897	0·735		0·760	0·808	0·720	0·785
Prevailing Winds		S, SW		W	SW	NW	SW
Rain	....	1·176		1·312	1·590	0·883	1·560
Ozonometer.							
Moffat	.....	0·86		1·57	.....	.....	.....
Shonbein	.....	0·71		0·00	.....	5·9	.....

May 12, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MAY 19, 1866. No. 303.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 19th instant, 1,251 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the numbers very nearly corresponded with this total, while in the corresponding week of last year they were considerably more numerous. The deaths among patients of the poorer class amounted to 71, being at the rate of 1 death to every 17 cases—an unusually high proportion at this season of the year.

Under Continued Fever there is a very decided increase; in the two preceding weeks the seizures from this disease did not exceed 44 and 51, but in this return they rose to 90; 49 of them are ascribed to Typhus Fever.

There were 30 cases of Diarrhœa and Dysentery; in the two preceding weeks there were 31 and 29. Any excessive increase under Diarrhœa will be watched with peculiar interest at the present time, from the fact of the prevalence of this disorder being so frequently associated with an outbreak of Cholera.

Bronchitis, Influenza, and Catarrh, are week by week becoming less general; thus, a fortnight ago, there were 218 new cases, last week only 165.

Small-pox, Measles, and Scarlet Fever, are all at the present time unusually mild, only 5 cases being recorded under the three columns devoted to these diseases.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 224 deaths were registered in the eleven districts of the Sanitary Association. In the preceding return the rate of mortality was very much higher.

Eighteen deaths are ascribed to Fever.

In London, according to the last return of the Registrar General, the deaths exceeded the average by about 200.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48·1°; at Old Trafford, last week the warmest of the Manchester stations, it was 50·4°; and at Eccles 49·4°. It thus appears that the weather has of late been considerably warmer in the outskirts of Manchester than in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	..	..	1	1	..	..	2	..	..	..	2	3	
Dysentery	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	
Continued Fever	*a*2	1	3	1	..	*b*7	14	10	*c*8	..	..	..	*d*9	4	..	
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Rheumatism	..	..	1	..	..	..	1	20	2	12	1	3	1	..	3	
Neuralgic Affections	..	..	..	..	..	..	..	..	2	5	..	..	..	..	4	
Constitutional Syphilis	..	1	..	..	..	..	1	4	..	26	1	..	..	..	2	
Phthisis	..	1	..	1	...	..	2	7	..	23	..	1	2	1	2	
Insanity	..	..	..	..	..	..	..	9	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	2	1	..	3	1	5	12	30	1	24	5	3	3	2	10	
Pleurisy and Pneumonia	..	..	..	..	1	..	1	2	..	1	..	..	..	..	1	
Skin Diseases	..	..	..	..	..	..	..	4	..	11	..	..	..	2	12	
Dyspepsia	..	..	..	..	..	..	..	30	..	32	..	..	1	3	15	
Atrophy and Anæmia	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	14	4	6	6	4	12	46	15	42	207	5	4	6	34	17	
TOTAL	18	8	10	12	8	25	81	132	55	343	12	11	23	50	72	2

a Typhus, 1 removed to Workhouse and 1 to Infirmary. *b* 4 Typhus and 2 Febricula removed to Workhouse.
g 3 Typhus and 1 Febricula, 2 removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
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ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 19th day of May, 1866.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
AW CT Regent Road.	PUBLIC INSTITUTIONS. Workhouse.	Dispensary.	New Bailey	POOR LAW DISTRICTS St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
7	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	19	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	1	..	..	..	..	..	..	..	2	12	Measles	..
..	..	..	..	..	..	..	..	1	..	..	..	2	8	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
2	..	2	..	..	..	..	..	..	1	..	1	11	6	Whooping-cough	..
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup	..
..	..	7	3	..	..	..	..	3	2	..	3	28	29	Diarrhœa	..
..	..	1	..	..	..	..	..	..	..	..	..	2	..	Dysentery	..
3	*e*8	6	..	*f*5	1	2	*g*4	..	..	1	12	90	69	Continued Fever	7
..	1	1	1	1	..	..	..	..	1	..	..	6	5	Erysipelas	..
1	1	11	..	..	1	..	1	1	1	2	2	65	60	Rheumatism	..
1	..	3	..	..	..	..	..	1	1	..	..	20	15	Neuralgic Affections ..	..
1	1	5	..	..	..	..	..	..	..	1	4	48	31	Constitutional Syphilis	1
..	2	7	..	..	..	..	..	1	1	2	1	54	54	Phthisis	11
1	1	..	..	..	..	..	..	..	1	..	..	12	9	Insanity	..
3	..	31	2	2	2	1	4	2	..	6	6	156	167	Bronchitis, Influenza, and Catarrh.....	4
..	..	..	..	1	..	1	..	..	1	..	1	9	22	Pleurisy & Pneumonia.	1
..	..	11	..	1	2	..	1	3	..	1	12	63	91	Skin Disease.....	..
..	..	18	..	1	3	..	..	3	..	3	3	115	58	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia..	1
1	4	60	3	4	3	2	5	31	4	27	31	564	745	Accidents and diseases not classified.....	44
3	18	164	9	16	12	6	15	47	13	43	76	1251	1401	.... TOTAL	71

hus, 1 Typhoid and 1 Febricula. *d* 1 Typhus and 8 Febricula. *e* Typhus. *f* 3 Typhus, removed to Workhouse.

ebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
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(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	1	1	..	..	1	..	3	2
Measles	..	..	..	..	..	..	..	1	..	1	1	3	7
Whooping-cough	1	1	..	..	1	..	..	..	..	1	2	6	3
Scarlatina	3	..	..	1	1	..	1	..	..	1	..	7	3
Diarrhœa	2	1	..	1	1	..	..	..	..	..	..	5	8
Fever	1	..	*a*2	2	1	*b*3	*c*6	1	1	1	..	18	5
Diseases of the Lungs	10	7	12	2	...	6	5	..	5	7	6	60	67
Other causes	8	14	21	5	10	9	16	11	2	21	5	122	158
TOTAL NO. OF DEATHS.	25	23	35	11	14	19	29	13	8	33	14	224	253
TOTAL NO. OF BIRTHS.	42	30	23	18	13	27	28	14	48	51	14	308	366

a Typhus. *b* 2 Typhus and 1 Typhoid. *c* 4 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL.	DISEASE.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL
7	12	11	30	Small-pox	20	11	17	48
7	3	2	12	Chicken-pox	1	..	3	4
37	72	45	154	Measles	10	15	19	44
20	13	8	41	Scarlatina	28	28	39	95
5	1	5	11	Diphtheria	..	..	1	1
59	78	60	197	Whooping-cough	113	111	71	295
1	1	1	3	Croup	2	3	2	7
226	374	334	934	Diarrhœa	111	144	129	384
2	3	2	7	Dysentery	8	36	3	47
1	..	..	1	Cholera	..	..	..	..
18	26	18	62	Erysipelas	32	37	13	82
..	..	..	..	Puerperal Fever	..	..	..	..
18	20	17	55	Insanity	26	47	24	97
949	1287	992	3228	Bronchitis and Catarrh	866	1337	875	3078
14	16	15	45	Pleurisy }	54	93	59	206
22	29	21	72	Pneumonia }				
5	6	5	16	Carbuncle	..	..	..	..
3668	4531	4017	12216	Accidents, and all other Diseases.	4340	5560	4405	14305
5059	6472	5553	17084	TOTAL	5611	7422	5660	18693

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL	Inches.	Wet Days.
Royton	1·099	14
Penketh	0·811	11
Eccles	0·361	9
Old Trafford	0·299	7
Castleton Moor		
Bowdon		

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Bowdon, J. Thompson, Esq.	Eccles, T. Mackereth Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·238	30·239		30·243	29·235	30·223	29·224
Highest } Unreduced	30·356	30·348		30·365	29·865	30·420	29·950
Lowest } Unreduced	29·967	29·963		30·001	29·500	30·080	29·608
Range	0·389	0·385		0·364	0·365	0·340	0·342
Temperature.							
Adopted Mean	48·3	50·4		49·4	47·6	50·4	46·9
Range for Week	30·0	41·1		39·0	41·7	46·2	39·1
Daily Range	16·8	23·8		23·5	24·8	28·4	22·5
Maximum in Shade	68·0	76·8		72·8	71·2	77·1	70·5
Minimum in Shade	38·0	35·7		33·8	29·5	30·9	31·4
Temperature of Dew Point	45·1	40·8		37·0	35·5	37·8	32·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·887	0·702		0·624	0·633	0·623	0·610
Prevailing Winds		S, NE		N, NW	NE	S, NE	NW, NE
Rain	....	0·000		0·000	0·000	0·000	0·000
Ozonometer.							
Moffat	.....	0·00		0·15	.....	.....	.....
Shonbein	.....	0·00		0·00	3·70	2·60	.....

May 19, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, MAY 26, 1866. No. 304.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 26th instant, 1,057 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. This total is considerably below the average for the season, but it is in some measure accounted for by the fact that it was a holiday week; at such seasons it is found that the applications for medical advice are invariably less numerous than at other times.

There were 67 new cases of Continued Fever, 42 of which are specially referred to as examples of Typhus. The number is considerable, and not so satisfactory as might be desired.

Under Bronchitis, Influenza, and Catarrh, a very decided improvement is observable; a fortnight ago 174 new cases of these affections were recorded, last week only 111.

It is satisfactory to find that the epidemic of Whooping-cough, which proved very general in the early part of the year, is now rapidly subsiding; last week only 5 new cases were recorded.

The seizures under Diarrhœa and Dysentery did not exceed 22; in the preceding week they amounted to 30.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 226 deaths were registered in the eleven districts of the Sanitary Association. Both in the preceding week and in the corresponding one of last year there were 224.

Under Fever 22 deaths are recorded, and under Diarrhœa 11. The increase under Diarrhœa is considerable, as in the two previous weeks only 5 fatal cases were assigned to this disorder.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52·0°; at the Royal Infirmary it was 54·8°, at Old Trafford 54·5°, and at Eccles 53·2°. It thus appears that the weather in the neighbourhood of Manchester was considerably warmer than in London.

No rain was measured.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

ommittee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	1	..	2	3	2	..	..	..	..	..	2	..
Dysentery	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1
Continued Fever	3	*a*6	*b*3	..	*c*2	*c*1	15	19	*d*1	..	..	..	*e*2	4	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Rheumatism	..	..	..	..	..	1	1	15	..	11	..	..	2	..	1
Neuralgic Affections	..	..	..	..	..	..	..	2	3	1	..	..	..	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	6	..	11	..	..	..	..	1
Phthisis	1	..	..	1	...	1	3	10	..	12	..	..	2	..	1
Insanity	..	1	..	..	..	1	2	7	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	2	..	..	3	4	12	27	..	16	..	2	1	1	17
Pleurisy and Pneumonia	2	..	..	..	..	..	2	..	1	..	..	1	..	..	..
Skin Diseases	..	..	..	2	..	..	2	2	..	6	..	..	..	1	9
Dyspepsia	..	..	..	..	2	..	2	15	1	15	..	..	..	..	10
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	7	2	7	4	3	6	29	30	34	233	2	1	1	17	18
TOTAL	16	11	10	8	10	16	72	136	40	305	2	4	9	28	60

a 5 Typhus, removed to Hospital. *b* 1 Febricula. *c* 1 Removed to Hospital. *d* Typhus.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 26th day of May, 1866.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				.... 477.....			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
w CT	Public Institutions.			Poor Law Districts											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
7	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	1	..	..	..	1	21	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	9	Measles	..
..	..	..	..	..	1	..	..	1	..	1	..	4	2	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	1
1	..	..	..	..	..	..	..	..	..	..	..	5	9	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	1	3	..	..	..	..	..	1	..	3	19	27	Diarrhœa	..
..	..	..	..	..	..	..	..	..	1	..	..	3	3	Dysentery	..
2	*d*8	2	..	*f*4	*e*2	..	1	1	..	1	*d*5	67	55	Continued Fever	6
1	..	1	..	..	1	..	..	..	1	..	..	5	6	Erysipelas	..
2	..	3	1	1	1	..	1	2	..	1	4	50	52	Rheumatism	..
1	..	3	..	..	..	..	..	..	..	..	..	14	10	Neuralgic Affections ..	..
..	..	..	..	..	..	..	..	..	1	..	..	22	28	Constitutional Syphilis	..
1	1	8	..	..	..	1	1	1	..	1	..	44	48	Phthisis	11
1	3	..	..	..	1	..	..	..	1	..	..	16	11	Insanity	..
..	..	9	2	1	1	..	2	2	1	4	..	103	151	Bronchitis, Influenza, and Catarrh.....	3
2	..	1	..	..	..	..	..	..	..	..	1	8	15	Pleurisy & Pneumonia.	2
..	..	..	..	..	2	..	..	..	1	..	5	31	85	Skin Disease.....	..
2	..	6	..	1	3	1	2	1	2	3	4	72	52	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	..
3	5	107	1	2	3	3	4	48	2	24	21	592	772	Accidents and diseases not classified.....	26
6	17	141	7	9	15	5	11	58	11	35	43	1057	1358	.... TOTAL	50

Typhus and 1 Febricula. *f* 3 Typhus, 1 removed to Workhouse.

ebted for the annexed Returns.

17) Dr. T. M. JOHNSON,
18) Mr. M. O. LARMUTH,
19) ,, J. O. BRADBURY,
20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowel.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	4
Measles	..	1	..	..	..	..	..	1	..	1	2	5	5
Whooping-cough	1	..	..	1	..	2	2	2	1	3	3	15	5
Searlatina	..	..	..	..	..	..	..	..	..	..	1	1	2
Diarrhœa	2	1	..	3	1	1	2	1	..	..	..	11	9
Fever	1	1	*a*6	..	*b*2	5	*d*4	..	*a*1	1	*a*1	22	10
Diseases of the Lungs	11	6	4	5	2	10	2	1	5	8	3	57	61
Other causes	6	11	15	3	6	*c*19	15	*e*13	5	17	5	115	128
TOTAL NO. OF DEATHS.	21	20	25	12	11	37	25	18	12	30	15	223	224
TOTAL NO. OF BIRTHS.	21	21	10	6	12	29	30	11	27	38	20	225	287

a Typhus. *b* 1 Typhus and 1 Typhoid. *c* 1 Diphtheria and 4 Inquests. *d* 3 Typhus. *e* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL.	DISEASE.	4 Weeks ending 24th Feb.	5 Weeks ending 31st March	4 Weeks ending 28th April	TOTAL
7	12	11	30	Small-pox	20	11	17	48
7	3	2	12	Chicken-pox	1	..	3	4
37	72	45	154	Measles	10	15	19	44
20	13	8	41	Scarlatina	28	28	39	95
5	1	5	11	Diphtheria	..	..	1	1
59	78	60	197	Whooping-cough	113	111	71	295
1	1	1	3	Croup	2	3	2	7
226	374	334	934	Diarrhœa	111	144	129	384
2	3	2	7	Dysentery	8	36	3	47
1	..	..	1	Cholera	..	..	..	..
18	26	18	62	Erysipelas	32	37	13	82
..	..	..	..	Puerperal Fever	..	..	..	..
18	20	17	55	Insanity	26	47	24	97
949	1287	992	3228	Bronchitis and Catarrh	866	1337	875	3078
14	16	15	45	Pleurisy }	54	93	59	206
22	29	21	72	Pneumonia }				
5	6	5	16	Carbuncle	..	..	..	..
3668	4531	4017	12216	Accidents, and all other Diseases.	4340	5560	4405	14305
5059	6472	5553	17084	TOTAL	5611	7422	5660	18693

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FALL OF RAIN IN APRIL	Inches.	Wet Days.
Royton	1·099	14
Penketh	0·811	11
Eccles	0·361	9
Old Trafford	0·299	7
Castleton Moor		
Bowdon		

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	212 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·116	30·140		30·110	30·130	30·123	30·135
Highest (Unreduced)	30·382	30·388		30·407	29·922	30·464	29·988
Lowest (Unreduced)	29·666	29·668		29·719	29·245	29·760	29·315
Range	0·716	0·720		0·688	0·677	0·704	0·673
Temperature.							
Adopted Mean	54·8	54·5		53·2	51·8	53·5	51·6
Range for Week	32·9	40·8		33·9	34·0	39·3	33·1
Daily Range	24·0	25·8		22·5	25·0	29·0	22·5
Maximum in Shade	74·8	74·8		72·1	70·5	73·4	70·6
Minimum in Shade	41·9	34·0		38·2	36·5	34·1	37·5
Temperature of Dew Point	49·8	39·1		35·7	37·6	37·0	35·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·887	0·563		0·518	0·584	0·538	0·540
Prevailing Winds		NE,E		NE,E	E,NE	NE,E	E,NE
Rain	....	0·000		0·000	0·000	0·000	0·000
Ozonometer.							
Moffat	.....	0·00		1·43	.....	.....	.....
Shonbein	.....	0·06		0·00	4·70	4·1	.....

May 26, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JUNE 2, 1866. No. 305.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 2nd instant, 1,266 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the poorer class amounted to 65, being at the rate of 1 death to every 19 cases.

The seizures from Continued Fever are still very numerous, 75 new cases being recorded under this column; 46 of these are specially referred to as examples of Typhus. Nine deaths are assigned to this cause in public practice alone.

Under Diarrhœa we observe a considerable increase; in our last return 22 cases were returned, in this 40.

Bronchitis and kindred affections of the chest proved more prevalent than in the previous week, the respective numbers for the two weeks being 111 and 155.

Two new cases of Small-pox were admitted into the wards of the Royal Infirmary, while 3 more were observed in various quarters of the town.

The seizures under Measles and Scarlet Fever did not exceed 9.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 257 deaths were registered in the eleven districts of the Sanitary Association. This return is far less favourable than the two which preceded it; in the two previous weeks the numbers were 224 and 226.

No fewer than 28 deaths are assigned to Continued Fever.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 345.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 56·2°; at Old Trafford it was 53·6°, and at Eccles 51·6°.

In the neighbourhood of London nearly two inches of rain were measured, but at these stations the quantity was altogether insignificant.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	..	1	1	..	..	2	..	2	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	1	..	1	..	..	..	..	..	..	2	..	
Scarlatina	2	..	..	..	..	..	2	..	1	..	..	..	..	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	2	1	..	3	2	..	2	..	..	..	4	7	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
Continued Fever	*a*2	..	1	..	..	*a*4	7	15	*b*4	..	..	1	*c*3	2	..	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	
Rheumatism	1	1	..	..	2	1	5	7	..	17	..	..	3	..	1	
Neuralgic Affections	..	..	..	..	..	..	..	4	..	3	..	..	..	..	3	
Constitutional Syphilis	..	..	..	..	..	..	..	5	..	15	..	..	..	..	4	
Phthisis	..	1	1	1	...	2	5	7	..	18	1	2	3	2	1	
Insanity	..	..	1	..	..	..	1	7	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	1	3	1	3	1	2	11	20	..	29	7	3	4	2	8	
Pleurisy and Pneumonia	..	..	..	1	..	..	1	3	1	..	..	1	1	..	1	
Skin Diseases	1	..	..	2	..	..	3	11	..	7	..	..	..	2	29	
Dyspepsia	..	2	1	..	1	..	4	13	..	34	..	..	..	3	10	
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	15	2	12	5	1	9	44	35	46	197	2	4	7	35	15	
TOTAL	22	9	18	15	7	18	89	129	54	322	10	12	21	53	82	

a Removed to Workhouse. *b* Typhus. *c* Febricula. *d* 2 Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 2nd day of June, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	1	..	..	..	..	..	..	5	8	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	..	1	..	..	..	4	8	Measles	..
..	..	..	..	..	..	..	..	..	..	1	..	5	1	Scarlatina	1
..	..	..	..	..	..	..	..	..	1	..	..	1	..	Diphtheria	..
..	..	1	..	..	1	1	..	..	..	1	..	7	10	Whooping-cough	..
..	..	..	..	..	..	..	..	..	1	..	..	1	..	Croup	..
..	..	6	2	3	..	1	1	2	1	2	..	37	37	Diarrhœa	1
..	..	..	..	..	..	..	2	..	..	..	..	3	1	Dysentery	..
3	*b*6	4	..	*e*9	..	2	*b*1	1	*a*1	1	11	75	60	Continued Fever	9
..	..	..	1	..	..	..	..	..	..	..	1	5	6	Erysipelas	..
..	1	9	..	1	2	1	2	3	..	2	1	57	37	Rheumatism	..
1	..	2	..	..	..	..	..	..	1	..	..	15	8	Neuralgic Affections ..	1
..	1	4	..	..	1	..	..	1	1	..	4	39	32	Constitutional Syphilis	1
1	..	11	..	..	1	..	1	1	..	1	..	57	56	Phthisis	8
..	2	..	..	..	..	..	1	..	..	..	..	12	9	Insanity	..
9	1	10	4	4	5	..	3	2	1	3	10	146	123	Bronchitis, Influenza, and Catarrh.....	11
1	..	..	..	..	..	..	..	..	..	..	..	9	22	Pleurisy & Pneumonia.	..
..	..	17	..	..	..	..	..	3	1	..	8	83	61	Skin Disease.....	..
1	..	9	..	..	1	..	2	4	1	..	6	88	42	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	2	..	Atrophy and Anæmia..	1
9	9	84	2	5	6	5	7	31	3	38	17	615	690	Accidents and diseases not classified.....	32
25	20	157	9	22	18	10	21	50	12	49	58	1266	1211	.... TOTAL	65

e 8 Typhus, 7 removed to Workhouse.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles	..	..	..	..	1	1	..	..	..	1	3	6	5
Whooping-cough	..	..	..	..	..	2	..	..	1	..	2	5	4
Scarlatina	1	..	1	1	1	..	..	..	1	..	..	5	5
Diarrhœa	..	1	..	..	1	..	1	..	..	2	1	6	14
Fever	2	..	11	*b*2	*c*2	*d*3	*e*3	..	*f*3	2	..	28	14
Diseases of the Lungs	11	9	10	2	1	8	4	1	7	6	3	62	51
Other causes	18	*a*18	24	7	5	11	*a*8	5	*g*16	23	*h*10	145	131
TOTAL NO. OF DEATHS.	32	28	46	12	11	25	16	6	28	34	19	257	227
TOTAL NO. OF BIRTHS.	51	35	20	15	17	31	28	23	43	63	18	344	307

a 3 Inquests. *b* 1 Typhus and 1 Continued. *c* 1 Typhus and 1 Gastric. *d* 1 Typhus and 1 Typhoid. *e* 2 Typhus. *f* 1 Gastric, 1 Typhus, and 1 Typhoid. *g* 4 Inquests. *h* 5 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy	93	59	40	192
29	21	15	65	Pneumonia				
6	5	5	16	Carbuncle	..	...	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor		

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·832	29·827	29·838	29·846	29 832	29·818	
Highest (Unreduced)	29·870	29·906	29·949	29·790	29 433	29·968	
Lowest (Unreduced)	29·604	29·631	29·613	29·520	29·153	29·708	
Range	0·266	0·275	0·336	0·270	0·280	0·260	
Temperature.							
Adopted Mean	51·9	53·6	51·6	51·9	49·4	52·7	
Range for Week	23·5	42·6	40·3	37·1	42·0	44·5	
Daily Range	16·0	21·0	18·2	15·1	23·9	22·8	
Maximum in Shade	64·9	76·6	72·5	67·9	70·0	73·8	
Minimum in Shade	41·4	34·0	32·2	30·8	28·0	29·3	
Temperature of Dew Point	43·8	42·9	39·9	40·2	38·2	42·7	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·740	0·670	0·646	0·646	0·706	0·690	
Prevailing Winds		SW,NE	NE,NW	E,NE	NE	E,NW	
Rain	....	0·020	0·048	0·003	0·000	0·285	
Ozonometer.							
Moffat	.....	0·00	2·85	.....	.....	.....	
Shonbein	.....	0·00	0·00	4·20	3·80	2·50	.....

June. 2, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JUNE 9, 1866. No. 306.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 9th instant, 1,303 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths at the same time among patients of the poorer class amounted to 60, being at the rate of 1 death to every 21 cases.

The seizures ascribed to the various forms of Fever are still very numerous, no fewer than 67 cases being returned under this column; 38 of the number are specially referred to as examples of Typhus.

Under Diarrhœa we observe a decided and somewhat rapid increase; in the last week in May only 22 cases were recorded, in the present return 50. In the corresponding week of last year the number did not exceed 33.

Under Bronchitis and kindred affections of the chest an improvement is observable, the numbers for the two last weeks being 155 and 142.

The new cases of Small-pox did not exceed 2, and those of Scarlet Fever 3; thus proving that these diseases are at the present time singularly mild.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 238 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the numbers were 226 and 257, and in the corresponding week of last year 207.

Nineteen deaths are attributed to Continued Fever, and 8 to Whooping Cough.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 187.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61·0°, the highest day temperature being 84·7°; at Old Trafford, last week, the warmest of the Manchester Stations, the adopted mean was 60·6°; at Eccles 58·7°; and at the Royal Infirmary 57·9°.

Considerably more rain fell in the neighbournood of London than at any of the Manchester Stations.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	..	..	..	1	..	..	..	1	..	..	2	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	2	6
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	1	..	1	4	5	..	1	..	..	..	5	6
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Continued Fever	*a*3	*b*1	*c*7	..	..	1	12	13	*d*3	..	..	1	..	2	..
Erysipelas	1	..	..	1	..	..	2	3	..	1	..	1	1	..	..
Rheumatism	1	..	..	..	..	2	3	10	3	8	2	..	2	..	4
Neuralgic Affections	..	..	..	..	..	..	..	1	1	6	..	..	..	..	6
Constitutional Syphilis	..	..	..	..	..	..	..	5	..	17	..	..	..	1	1
Phthisis	1	2	1	2	1	..	7	7	1	26	2	2	3	3	..
Insanity	1	1	1	..	..	..	3	11	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	..	2	2	3	11	23	..	30	2	3	2	..	14
Pleurisy and Pneumonia	..	..	..	..	..	..	..	..	1	1	..	1	2	..	..
Skin Diseases	..	..	..	..	..	..	..	4	..	8	..	..	..	2	20
Dyspepsia	..	..	..	1	...	..	1	10	1	33	..	..	1	5	15
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	7	5	9	5	1	11	38	20	43	245	6	4	10	42	25
TOTAL	18	13	18	12	4	18	83	112	53	376	13	12	21	65	99

a 2 Removed to Workhouse. *b* 1 Typhus, removed to Workhouse. *c* 3 Typhus. *d* 1 Typhus and 2 Typhoid.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(13) Mr. H. RUNC
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(15) ,, J OGDEN
(16) Mr. J. TEALE

NITARY ASSOCIATION.

IS OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 9th day of June, 1866.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
W CT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	2	11	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox	..
..	..	..	..	..	..	..	1	..	1	..	..	6	12	Measles	..
..	..	..	..	..	..	1	1	1	..	..	..	3	..	Scarlatina	..
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Diphtheria	1
..	..	1	..	..	..	..	..	..	2	..	..	12	8	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	8	4	..	..	..	..	3	1	3	4	47	32	Diarrhœa	1
..	..	..	..	..	..	..	2	..	..	..	..	3	1	Dysentery	..
..	*e*2	3	..	*f*6	*b*2	3	*g*3	1	5	..	10	67	36	Continued Fever	14
..	..	..	2	..	..	..	1	..	..	..	..	11	1	Erysipelas	..
1	1	11	..	..	2	..	..	2	..	4	4	60	46	Rheumatism	..
..	..	1	..	..	..	..	..	..	..	2	..	18	14	Neuralgic Affections ..	..
..	..	5	..	..	..	..	..	1	2	..	7	41	16	Constitutional Syphilis	..
..	..	10	..	..	..	..	1	1	1	1	..	66	33	Phthisis	7
..	3	..	..	..	2	..	..	1	..	..	..	20	18	Insanity	4
4	..	12	3	3	1	2	3	2	1	4	10	134	100	Bronchitis, Influenza, and Catarrh.....	7
..	..	..	..	..	..	2	..	..	1	..	..	8	10	Pleurisy & Pneumonia.	4
..	..	17	..	..	1	..	1	1	1	..	19	77	50	Skin Disease.....	..
3	..	8	..	..	..	..	1	1	..	2	5	90	56	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	1
1	5	81	3	7	4	5	6	31	2	27	25	635	613	Accidents and diseases not classified.....	20
9	11	159	12	16	12	13	20	46	17	43	84	1303	1058	.... TOTAL	60

e Typhus. *f* Typhus, removed to Workhouse. *g* 1 Typhus, removed to Workhouse.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
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(21) Mr. JOHN SMITH,
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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	1	..	..	..	..	1	3
Measles	..	..	..	..	2	..	..	..	..	..	1	3	5
Whooping-cough	1	..	..	..	1	2	1	..	2	1	..	8	7
Scarlatina	1	4	3	1	..	..	1	..	..	..	..	10	4
Diarrhœa	2	..	2	2	..	1	1	..	..	..	..	8	10
Fever	1	1	*a*4	1	*b*2	*c*1	*e*4	1	..	*f*3	1	19	14
Diseases of the Lungs	11	12	8	3	4	6	7	2	10	6	3	72	50
Other causes	10	9	21	5	9	*d*10	10	17	9	10	7	117	114
TOTAL NO. OF DEATHS.	26	26	38	12	18	20	25	20	21	20	12	238	207
TOTAL NO. OF BIRTHS.	36	41	15	14	12	37	42	21	21	68	29	336	221

a 3 Typhus and 1 Typhoid. *b* 1 Typhus. *c* Typhoid. *d* 1 Diphtheria. *e* 3 Typhus. *f* 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy	93	59	40	192
29	21	15	65	Pneumonia				
6	5	5	16	Carbuncle	..	..	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MAY	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	320 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·994	29·993	30·000	30·020	29·996	29·980	30·006
Highest (Unreduced)	30·220	30·235	30·273	30·116	29·778	30 318	29·848
Lowest (Unreduced)	29·720	29·706	29·763	29·596	29·274	29·794	29·346
Range	0·500	0·529	0·510	0·520	0·504	0·524	0·502
Temperature.							
Adopted Mean	57·9	60·6	58·7	58·6	56·8	59·7	56·6
Range for Week	21·5	26·0	21·4	22·7	28·0	26·5	22·1
Daily Range	14·9	18·4	17·2	14·0	17·4	20·7	15·7
Maximum in Shade	73·5	75·0	71·8	69·6	72·0	74·2	69·6
Minimum in Shade	52·0	49·0	50·4	49·6	46·0	47·7	47·5
Temperature of Dew Point	54·9	53·3	51·8	51·4	52·0	53·3	50·7
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·894	0·772	0·781	0·770	0·836	0·798	0·808
Prevailing Winds		S,E	SW,SE	S,E	S,SE	E,SE,S	S,SE
Rain	....	0·640	0·661	0·771	0·720	0·832	0·858
Ozonometer.							
Moffat	.....	0·00	.....	....	.....	.....	
Shonbein	.....	0·00	0·43	6·00	2·60	3·50	.....

June. 9, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JUNE 16, 1866. No. 307.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 16th instant, 1,301 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the numbers were 1,266 and 1,303. The deaths among patients of the poorer class amounted to 57, it thus appears that 1 case in every 23 terminated fatally.

Under Continued Fever 71 cases are recorded, of which 39 are specially referred to as examples of Typhus; 12 of the cases were admitted into the Manchester Workhouse, and 7 each into the Royal Infirmary and Chorlton Workhouse.

The Diarrhœa cases appear to be increasing, the respective numbers for the three last weeks being 40, 50, and 57.

Bronchitis and kindred affections of the chest are considerably less prevalent than they were a fortnight ago.

Only two new cases of Small-pox are returned, one of which was admitted as an in-patient of the Royal Infirmary, while the other was attended by the medical officers of the Salford Hospital.

The new cases of Scarlet Fever did not exceed 5, and those of Whooping Cough 2.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 242 deaths were registered in the eleven districts of the Sanitary Association, 20 more than in the corresponding week of last year.

The deaths attributed to Fever are far less numerous than they were in the early part of the month; in the first week we find 28 persons falling victims to this disease, last week only 13.

It is satisfactory to find that the deaths from Diarrhœa did not exceed 8, while, in the corresponding week of last year, 27 were assigned to this cause.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 152.

It is stated, as a remarkable circumstance, that 3 deaths from Hydrophobia were registered in the week.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58·5°, at Old Trafford it was 56·2°, at the Royal Infirmary 55·1°, and at Eccles 54·4°.

In the neighbourhood of London only 0·14 of an inch of rain was measured, while in Eccles the quantity is estimated at nearly 3½ inches.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Measles	2	..	..	..	..	..	2	..	..	..	..	..	..	2	..
Scarlatina	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	1	..	..	..	..	1	7	..	7	..	..	..	3	7
Dysentery	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Continued Fever	*a*1	1	*b*4	1	*c*2	*a*2	11	12	*d*7	..	..	*c*1	*c*3	1	..
Erysipelas	..	..	..	1	..	..	1	2	..	..	..	..	..	..	..
Rheumatism	..	1	..	..	..	1	2	15	3	11	1	1	..	..	4
Neuralgic Affections	..	..	..	..	..	..	..	..	3	10	..	..	..	..	2
Constitutional Syphilis	..	1	..	..	..	..	1	6	..	24	..	..	..	..	1
Phthisis	..	..	1	1	2	..	4	4	1	16	..	2	..	2	2
Insanity	..	..	..	..	..	..	..	8	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	1	1	3	2	3	12	19	2	30	1	2	2	1	11
Pleurisy and Pneumonia	1	..	..	1	..	..	2	4	1	2	..	1	1	..	..
Skin Diseases	1	..	..	2	..	2	5	6	1	3	..	..	1	2	16
Dyspepsia	1	2	..	..	...	..	3	15	1	14	1	1	..	..	11
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	12	1	11	6	3	11	44	14	42	247	5	2	7	46	19
TOTAL	20	8	17	15	9	20	89	112	63	364	9	10	16	57	73

a 1 Typhus, removed to Workhouse. *b* 1 Typhus and 1 Febricula. *c* Febricula. *d* Typhus

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL

(13) Mr. H. RUNCC
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 16th day of June, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	2	11	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox	..
..	..	1	..	..	..	..	..	..	..	..	..	5	13	Measles	..
..	..	..	..	..	..	..	..	..	..	2	..	5	9	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Diphtheria	..
..	..	..	..	..	..	..	..	1	1	..	..	2	12	Whooping-cough	..
..	..	..	..	..	..	..	..	..	1	..	..	1	1	Croup	1
..	..	6	3	..	..	*f*1	1	4	2	1	9	54	71	Diarrhœa	..
..	..	..	..	..	..	1	..	..	1	..	..	3	7	Dysentery	..
..	7	4	..	*e*2	..	5	..	..	4	1	*d*7	71	56	Continued Fever	4
1	..	..	..	..	..	..	..	1	..	..	..	5	4	Erysipelas	..
3	1	12	..	..	3	3	..	3	..	3	2	68	63	Rheumatism	..
..	..	..	..	..	..	..	..	1	..	2	..	21	25	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	1	1	..	3	41	25	Constitutional Syphilis	..
4	2	12	..	1	1	..	1	1	1	4	1	60	61	Phthisis	6
..	3	..	..	..	..	..	..	..	..	..	..	11	17	Insanity	..
2	1	14	4	3	3	..	..	2	1	5	8	126	131	Bronchitis, Influenza, and Catarrh.....	4
1	..	..	..	..	1	..	..	1	..	..	1	15	22	Pleurisy & Pneumonia.	1
..	..	15	..	..	..	1	1	1	1	..	4	61	78	Skin Disease.....	..
4	..	11	..	1	3	2	1	4	1	3	10	88	40	Dyspepsia	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Atrophy and Anæmia..	1
7	6	85	2	6	5	*f*3	5	40	4	23	42	661	713	Accidents and diseases not classified.....	38
22	20	165	9	13	16	16	9	60	18	44	87	1301	1363	.... TOTAL	57

e Typhus, removed to Workhouse. *f* 1 Removed to Workhouse.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	1	..	..	..	..	..	..	1	4
Measles	1	..	1	..	1	1	..	1	1	1	2	9	12
Whooping-cough	2	..	..	..	1	..	..	..	1	..	..	4	9
Scarlatina	2	..	..	..	1	..	..	..	..	..	1	4	..
Diarrhœa	1	1	..	..	1	1	..	2	..	2	..	8	27
Fever	2	..	*a*5	..	..	1	..	..	1	*a*4	..	13	10
Diseases of the Lungs	17	7	12	2	..	4	4	1	3	13	1	64	56
Other causes	13	5	15	5	*b*26	*c*15	*d*16	7	*e*13	9	15	139	104
TOTAL NO. OF DEATHS.	38	13	33	7	31	22	20	11	19	29	19	242	222
TOTAL NO. OF BIRTHS.	43	38	22	9	22	22	41	14	44	69	16	340	403

a Typhus. *b* 11 Inquests. *c* 6 Inquests and 1 Diphtheria. *d* 1 Inquest. *e* 1 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy }	93	59	40	192
29	21	15	65	Pneumonia }				
6	5	5	16	Carbuncle	..	..	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MAY	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	320 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·742	29·799	29·796	29·867	29·762	29·793	29·794
Highest } Unreduced	29·964	29·981	29·995	29·886	29·496	30 048	29·584
Lowest } Unreduced	29·343	29·366	29·351	29·230	28·863	29·412	28·961
Range	0·621	0·615	0·644	0·656	0·633	0·636	0·623
Temperature.							
Adopted Mean	55·1	56·2	54·4	53·8	52·8	55·6	52·3
Range for Week	22·1	31·0	28·0	30·2	30·5	25·4	25·4
Daily Range	13·1	14·5	12·2	14·0	15·2	12·8	10·4
Maximum in Shade	71·1	76 0	72·0	71·8	73·0	73·5	71·0
Minimum in Shade	49·0	45·0	44·0	41·6	42·5	48·0	45·6
Temperature of Dew Point	52·2	50·4	47·6	48·7	48·8	50·7	47·3
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·895	0·810	0·774	0·829	0·862	0·846	0·825
Prevailing Winds		S,W	NW,SW	W,SW	SW,NW	W,NW	SW,NW
Rain	....	2·055	2·459	3·311	2·600	1·724	2·974
Ozonometer.							
Moffat	.....	0·00	1·14	....	.....	.....	
Shonbein	.....	0·00	.....	8·00	2·80	3·20	.....

June 16, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, JUNE 23, 1866. No. 308.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 23rd instant, 1,232 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; the deaths at the same time amounted to 60 being in the proportion of 1 death to every 20 cases.

Continued Fever is still very general, no fewer than 92 new cases were returned in the course of the week, 40 of which are specially referred to as examples of Typhus.

Complaints have been made during the past week respecting the highly unsatisfactory condition of certain quarters of the town, among other places Burton's Court, off Henry Street, Ancoats, has been pointed out as a locality which has suffered heavily from fever, while no adequate steps appear to have been taken to mitigate the evil.

Diarrhœa still continues far less prevalent than during the corresponding season of last year; 58 new cases were last week returned, little more than half the number recorded in the latter weeks of June, 1865.

Bronchitis and kindred affections of the chest are rapidly decreasing; a fortnight ago there wers 142 new cases, last week only 119.

Scarlet Fever which for some weeks almost disappeared from the returns is again credited with 15 new cases; 4 of which were met with in St. Philip's, Hulme, and 3 more among the patients of the Salford Dispensary.

No other diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 213 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the numbers were 238 and 242.

14 fatal cases of fever were recorded in the course of the week, and 12 of diarrhœa.

In London, according to the last return of the Registrar General, the deaths exceeded the average by about 90.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58·1°, at Old Trafford, last week the warmest of the Manchester stations, it was 55·7°, at Wilmslow 53·4°, and at Eccles 53·1°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... " " 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Scarlatina	1	..	..	..	..	1	2	..	2	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	2	2	7	..	..	..	..	..	3	11
Dysentery	..	..	1	2	..	..	3	..	..	..	..	..	..	..	..
Continued Fever	*a*7	*b*4	3	1	*c*2	*c*3	20	22	*d*4	..	..	*e*4	*f*3	4	..
Erysipelas	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..
Rheumatism	..	..	..	1	..	..	1	10	2	13	2	2	1	..	2
Neuralgic Affections	..	..	..	..	..	..	..	2	3	3	..	..	1	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	7	..	15	..	..	..	2	1
Phthisis	..	1	..	..	1	1	3	8	1	16	1	2	1	1	4
Insanity	..	1	..	..	..	..	1	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	2	..	1	3	3	9	15	..	22	2	3	2	..	13
Pleurisy and Pneumonia	..	..	..	..	..	..	..	1	1	2	..	1	1	..	..
Skin Diseases	1	..	..	..	..	..	1	8	..	16	..	..	..	6	15
Dyspepsia	..	..	..	..	..	..	..	16	..	18	..	..	..	..	17
Atrophy and Anæmia	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Accidents and diseases not classified	14	6	10	11	..	5	46	30	54	219	5	8	12	32	24
TOTAL	23	14	14	17	6	15	89	137	67	324	10	21	21	49	89

a 2 Typhus, 4 removed to Workhouse. *b* 3 Typhus removed to Workhouse. *c* 2 Febricula. *d* Typhus.
i 1 Typhus removed to Workhouse. ** No Return.

Medical Officers to whom the Associat

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE FENNELL
(13) Mr. H. RUNC
(14) Dr. WHITEH
(15) ,, J OGDEN
(16) Mr. J. TEALE

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over, this fact has several times been no

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 23rd day of June, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	1	..	..	1	10	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	1	..	..	..	..	..	2	9	Measles	..
..	..	3	..	..	1	4	..	..	..	..	..	15	5	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	2	..	..	..	..	..	..	1	..	..	4	5	Whooping-cough	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	..
1	..	5	5	..	..	2	1	6	1	3	..	53	93	Diarrhœa	1
..	..	..	..	..	..	..	..	..	2	..	..	5	6	Dysentery	..
7	..	*h*9	..	1	..	4	..	..	*i*2	2	2	92	48	Continued Fever	10
..	..	..	1	..	..	..	..	..	1	..	..	6	6	Erysipelas	2
2	..	12	..	..	..	1	1	2	..	4	..	55	62	Rheumatism	..
..	..	1	..	..	..	..	..	1	..	..	..	12	11	Neuralgic Affections ..	..
..	..	3	..	..	..	..	..	1	1	1	3	36	28	Constitutional Syphilis	..
1	..	9	..	1	..	..	1	1	1	5	2	58	57	Phthisis	10
..	..	..	..	..	1	..	..	..	..	..	..	8	5	Insanity	..
3	..	12	3	..	1	..	4	2	1	7	4	110	125	Bronchitis, Influenza, and Catarrh.....	8
1	..	..	..	..	..	1	..	..	..	1	..	9	10	Pleurisy & Pneumonia.	2
..	..	..	..	1	..	..	..	2	1	1	4	55	81	Skin Disease.....	..
1	..	14	1	..	2	..	1	3	2	3	1	82	75	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	4	..	Atrophy and Anæmia..	..
2	..	80	1	1	3	4	5	30	4	23	34	624	753	Accidents and diseases not classified.....	27
18	**	150	11	4	8	17	14	50	18	50	50	1232	1390	.... TOTAL	60

yphus, and 1 Febricula. *f* 1 Typhus and 2 Febricula. *g* 6 Removed to Workhouse. *h* 2 Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,
(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnship., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	..	1	1	..	..	..	..	..	..	4	9
Whooping-cough	..	1	..	..	..	..	..	..	2	2	..	5	8
Scarlatina	..	..	..	..	..	..	..	..	..	1	..	1	2
Diarrhœa	1	3	..	..	5	1	1	..	..	..	1	12	38
Fever	..	..	*b* 5	*b* 1	*b* 2	...	*f* 3	1	*g* 1	..	*g* 1	14	14
Diseases of the Lungs	6	4	5	2	2	10	3	1	3	11	2	49	59
Other causes	6	*a* 16	19	*c* 20	*d* 10	*e* 6	*e* 12	7	*h* 11	14	*i* 7	128	136
TOTAL NO. OF DEATHS.	15	24	29	24	20	17	19	9	17	28	11	213	266
TOTAL NO. OF BIRTHS.	48	24	18	14	23	27	14	16	34	79	25	322	278

a 5 Inquests. *b* Typhus. *c* 6 Inquests. *d* 2 Inquests. *e* 1 Inquest. *f* 2 Typhus. *g* Gastric.
h 4 Inquests and 1 Hydrophobia. *i* 2 Choleraic, Infantile.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy }	93	59	40	192
29	21	15	65	Pneumonia }				
6	5	5	16	Carbuncle	..	..	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·842	29·828	29·822	29·888	29·818	29·809	29·829
Highest } Unreduced	30·029	30·120	30·105	30·002	29·650	30 202	29·750
Lowest } Unreduced	29·292	29·378	29·369	29·224	28·890	29·430	29·017
Range	0·737	0·742	0·736	0·778	0·760	0·772	0·733
Temperature.							
Adopted Mean	53·2	55·7	53·1	53·4	52·3	54·7	51·5
Range for Week	22·6	39·0	38·5	31·0	38·0	40·0	36·8
Daily Range	12·2	21·2	17·7	11·2	18·8	19·9	16·5
Maximum in Shade	67·5	79·0	79·5	73·1	75·0	78·7	74·0
Minimum in Shade	44·9	40·0	41·0	42·1	37·0	38·7	37·2
Temperature of Dew Point	50·2	47·5	46·0	49·0	47·7	48·0	45·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·890	0·745	0·765	0 850	0·842	0·776	0·785
Prevailing Winds		W	SW	S,SW	SW,NW	NW	SW,NW
Rain	....	1·210	1·104	1·508	1·838	1·143	1·838
Ozonometer.							
Moffat	.....	0·00	.....	....	.....	.....	
Shonbein	.....	0·00	0·43	3·28	2·80	2·60	.....

June 23, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, JUNE 30, 1866. No. 309.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 30th ultimo, 1,111 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the numbers were 1,301 and 1,232. The deaths at the same time, among patients of the poorer class, did not exceed 40, being in the proportion of 1 death to every 27 cases.

Under Continued Fever we observe this week a very decided improvement; in our last return 92 cases were returned, in the present 72; 36 of them are specially referred to as examples of Typhus. Of the latter 16 were admitted in the Manchester Workhouse, and 11 into the Chorlton Workhouse.

Diarrhœa, though less prevalent than in the corresponding period of last year, appears to be on the increase, the number of new cases for the three last weeks being 57, 58, and 78.

Whooping-cough, a disease which proved very general during the winter and spring, last week contributed only 4 cases to our return.

Bronchitis and kindred affections of the chest are not more prevalent than they usually are during the mild summer months.

Not a single case of Small-pox was observed in the course of the week.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 235 deaths were registered in the eleven districts of the Sanitary Association; in the preceding week the number was 213. Twenty-two of them are attributed to Fever, and 54 to diseases of the chest.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 137.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 66·3°; at Old Trafford, last week the warmest of the Manchester stations, it was 67·7°.

At Greenwich the highest temperature in the shade was 86·5, at Old Trafford 91·3.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Diarrhœa	..	1	1	..	..	1	3	10	..	7	..	..	..	6	15
Dysentery	..	..	..	1	..	..	1	..	..	..	..	..	..	2	..
Continued Fever	*a*4	*b*4	3	..	*c*2	*a*2	15	16	*d*1	..	..	..	..	1	..
Erysipelas	..	..	..	..	..	..	..	1	..	2	..	1	..	..	..
Rheumatism	1	..	..	..	..	..	1	7	2	16	1	4	3	2	2
Neuralgic Affections	..	..	..	..	..	..	..	3	4	4	..	1	..	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	6	..	18	..	..	..	..	2
Phthisis	..	..	1	1	..	..	2	6	1	16	2	2	2	1	..
Insanity	..	..	..	..	..	1	1	4	..	..	..	..	..	..	1
Bronchitis, Influenza & Catarrh	1	..	1	..	1	2	5	19	1	22	1	3	1	2	3
Pleurisy and Pneumonia	..	1	..	..	..	..	1	2	..	2	..	..	..	..	..
Skin Diseases	..	..	..	..	..	1	1	10	..	8	..	..	..	1	20
Dyspepsia	..	..	..	1	...	..	1	12	..	20	..	..	..	1	14
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	7	4	6	6	1	7	31	20	51	129	9	3	5	37	17
TOTAL	13	10	12	9	4	15	63	116	60	244	13	14	13	54	76

a Removed to Workhouse. *b* Typhus removed to Workhouse. *c* Febricula. *d* Typhus.
i 1 Typhus removed to Workhouse. ** No Return.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
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NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 30th day of June, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448				Population in 1861.
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	8	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	1	13	Measles	..
..	..	4	..	..	..	1	..	1	..	..	..	8	2	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	3	..	..	..	..	..	..	1	..	..	4	7	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
1	..	6	4	..	4	1	2	7	..	2	4	75	102	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	3	6	Dysentery	..
2	..	8	..	*b*3	..	*e*6	*f*2	*a*1	2	..	*g*14	73	67	Continued Fever	8
..	..	3	..	..	..	..	..	..	..	..	..	7	5	Erysipelas	1
..	..	9	..	..	1	1	2	2	1	5	..	61	67	Rheumatism	..
1	..	2	..	..	1	..	..	1	..	..	..	21	13	Neuralgic Affections ..	..
..	..	3	..	1	..	..	..	1	..	1	..	35	30	Constitutional Syphilis	..
..	..	11	..	1	..	1	1	2	1	1	..	50	48	Phthisis	6
1	..	..	..	1	..	..	..	..	..	..	..	9	18	Insanity	..
4	..	17	3	1	3	2	1	3	3	4	3	110	134	Bronchitis, Influenza, and Catarrh.....	8
1	..	2	..	..	..	..	..	..	..	..	..	8	17	Pleurisy & Pneumonia.	2
..	..	7	..	..	..	1	..	1	..	..	..	50	59	Skin Disease.....	..
1	..	8	..	..	1	..	2	2	1	1	1	66	81	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	..
9	..	76	2	3	..	5	7	32	7	29	51	528	727	Accidents and diseases not classified.....	14
20	**	159	9	10	10	18	17	54	16	43	73	1111	†1404	.... TOTAL	40

moved to Workhouse. *f* 1 Typhus and 1 Febricula. *g* 11 Typhus, and 3 Febricula.
† *The Salford Workhouse return is deducted from this total.*

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles	..	..	..	..	..	..	..	1	..	1	..	2	7
Whooping-cough	1	1	..	..	..	1	..	..	1	3	1	8	10
Scarlatina	..	..	..	2	1	..	1	..	..	2	..	6	4
Diarrhœa	3	3	1	1	..	...	..	..	..	1	..	9	76
Fever	..	6	*b* 6	..	1	1	*b*3	1	*b*1	*e*3	..	22	8
Diseases of the Lungs	10	7	3	7	..	5	3	1	7	7	4	54	59
Other causes	*a*27	14	18	8	9	*c*9	*d*15	5	12	12	5	134	137
TOTAL NO. OF DEATHS.	41	31	28	18	11	16	22	8	21	29	10	235	304
TOTAL NO. OF BIRTHS.	32	40	14	21	8	50	21	22	42	104	29	383	369

a 18 Inquests. *b* Typhus. *c* 1 Inquest. *d* 2 Inquests. *e* 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy }	93	59	40	192
29	21	15	65	Pneumonia }				
6	5	5	16	Carbuncle	..	..	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·036	30·028		30·094	30·034	30·020	30·036
Highest } Unreduced	30·146	30·164		30·068	29·708	30·247	29·780
Lowest } Unreduced	29·584	29·558		29·518	29·119	29·664	29·212
Range	0·562	0·606		0·550	0·589	0·583	0·568
Temperature.							
Adopted Mean	65·6	67·7		65·4	66·5	68·6	66·4
Range for Week	28·8	43·5		30·4	35·2	42·9	32·0
Daily Range	17·4	26·9		23·6	27·3	30·0	24·5
Maximum in Shade	84·0	91·3		81·4	85·0	90·6	84·0
Minimum in Shade	55·2	47·8		51·0	49·8	47·7	52·0
Temperature of Dew Point	59·0	59·0		55·2	56·7	56·3	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·793	0·735		0·696	0·700	0·644	
Prevailing Winds		NE, SW	....	S.SE	E, NE	SW, NW	
Rain	....	0·070		0·100	0·100	0·070	
Ozonometer.							
Moffat	.....	0·00		....	.....	.....	
Shonbein	.....	0·06		4·00	2·80	1·50	.....

June 30, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, JULY 7, 1866. No. 310.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 7th instant, 1,259 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. There were at the same time, among patients of the poorer class, 62 deaths, being in the proportion of 1 death to every 20 cases.

It is satisfactory to observe that, under Continued Fever, there is again a decrease; in the two preceding weeks the respective number of seizures from this disease were 92 and 73, last week it did not exceed 68. Forty-one of these cases are specially referred to as examples of true Typhus; 14 of the sufferers were admitted into the Manchester Workhouse, 9 into the Salford, and 8 into the Chorlton.

With the advance of the summer season Diarrhœa appears to be on the increase; a fortnight ago there were only 58 new cases, last week there were 95. A large proportion of them was observed among young children, no fewer than 23 cases being returned at St. Mary's Hospital and 13 at the Clinical Hospital.

Not a single case of Small-pox has been recorded in either of our two last returns; while, at the same time, Scarlet Fever and Measles are both singularly mild.

One case of Diphtheria is reported by Dr. Wilson as having come under his observation in the Medlock Poor Law District.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 253 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the respective numbers were 213 and 235.

The most unsatisfactory feature in the death-return for this week is the very decided increase in the mortality arising from Diarrhœa; in our preceding return only 9 deaths are attributed to this cause, in the present 44. In the corresponding week of last year the deaths from Diarrhœa were still more numerous, amounting to 100.

Not a single death from Small-pox has been registered in Manchester or Salford during the last three weeks.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 56·3°; at the Royal Infirmary it was 54·4°, and at Old Trafford 54·3°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,

33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... " " 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	1	1	..	..	..	..	2	..	..	..	..	..	..	..	..	
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	2	1	..	1	2	6	4	..	3	..	..	2	23	13	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	
Continued Fever	1	*a*3	..	*b*1	1	*c*1	7	14	*i*5	..	..	..	*d*4	3	..	
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Rheumatism	..	1	1	2	1	2	7	15	2	9	1	1	2	2	5	
Neuralgic Affections	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	
Constitutional Syphilis	1	..	..	..	..	..	1	7	..	9	..	..	..	..	3	
Phthisis	..	1	1	..	..	..	2	7	..	13	2	..	1	..	1	
Insanity	..	1	..	..	..	..	1	4	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	1	2	4	2	..	1	10	25	1	26	2	3	2	2	9	
Pleurisy and Pneumonia	1	2	1	..	..	1	5	1	..	..	..	..	..	..	1	
Skin Diseases	..	1	..	..	..	..	1	10	..	6	..	..	..	2	7	
Dyspepsia	..	..	..	..	...	..	..	13	..	22	..	..	..	3	13	
Atrophy and Anæmia	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	
Accidents and diseases not classified	9	5	1	7	3	7	32	40	42	217	6	9	9	30	8	
TOTAL	14	19	9	13	6	14	75	146	50	307	11	13	20	68	60	

a Typhus removed to Workhouse. *b* Typhoid, removed to workhouse *c* Febricula. *d* 2 Typhus, and 2 Febricula.
h 2 removed to Workhouse. *i* 4 Typhus and 1 Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W. H. SUTCLIFFE, ,, THEODORE PENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over, this fact has several times been noti

NITARY ASSOCIATION.

S OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 7th day of July, 1866.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
W CT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
7	18	19	20	21	22	23	24	25	26	27	28				
.	..	..	..	..	..	..	..	..	..	..	..	..	8	Small-pox	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
.	..	..	..	2	2	..	..	..	..	..	..	6	7	Measles	..
.	..	..	..	..	..	2	..	1	..	..	..	3	11	Scarlatina	..
.	..	..	..	..	1	..	..	..	..	..	..	1	..	Diphtheria	..
.	..	..	..	..	..	..	3	..	1	..	1	6	11	Whooping-cough	..
.	..	..	..	..	..	..	..	..	1	..	..	1	..	Croup	..
.	..	8	5	3	1	..	..	7	1	3	3	88	144	Diarrhœa	..
.	..	2	..	..	..	..	1	..	1	..	..	7	7	Dysentery	..
2	*f*9	6	..	1	..	3	*g*1	1	*h*3	1	*f*8	68	40	Continued Fever	7
.	..	1	..	..	..	..	..	1	..	1	..	4	2	Erysipelas	..
2	1	9	1	..	2	1	..	1	1	2	4	69	48	Rheumatism	..
1	..	1	..	..	..	..	..	1	..	..	..	5	10	Neuralgic Affections ..	..
.	..	5	..	..	..	..	1	1	1	1	1	32	32	Constitutional Syphilis	1
1	..	7	..	..	..	..	..	1	..	2	2	41	58	Phthisis	5
1	1	..	..	..	..	..	1	..	..	..	..	9	16	Insanity	..
3	..	12	3	3	2	..	3	2	1	6	3	122	125	Bronchitis, Influenza, and Catarrh.....	3
.	..	2	..	1	1	..	..	..	1	1	..	13	10	Pleurisy & Pneumonia.	2
.	1	13	..	2	..	..	2	2	2	..	5	58	63	Skin Disease.....	..
1	..	14	..	..	2	1	3	2	1	4	6	89	65	Dyspepsia	..
.	..	..	..	..	..	..	2	1	..	..	..	8	..	Atrophy and Anæmia..	..
0	6	80	3	4	4	5	9	29	4	32	43	629	765	Accidents and diseases not classified.....	44
1	18	160	12	16	15	12	26	50	18	53	76	1259	1422	.... TOTAL	62

Typhus and 1 Febricula, both removed to Workhouse. *f* Typhus. *g* Removed to Workhouse.

ebted for the annexed Returns.

17) Dr. T. M. JOHNSON,
18)
(19) ,, J. O. BRADBURY,
(20) ,, W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	..	..	..	..	2	..	1	..	4	9
Whooping-cough	..	..	..	..	..	..	1	..	..	..	1	2	7
Scarlatina	..	..	..	..	1	1	1	..	..	..	..	3	2
Diarrhœa	6	9	3	5	6	6	3	..	*d*2	4	..	44	100
Fever	3	4	*a*3	*a*1	..	..	*b*2	..	*e*1	..	1	15	12
Diseases of the Lungs	15	5	11	1	..	2	6	1	1	6	..	48	45
Other causes	23	16	19	5	7	15	*c*17	7	7	17	4	137	136
TOTAL NO. OF DEATHS.	48	34	36	12	14	24	30	10	11	28	6	253	312
TOTAL NO. OF BIRTHS.	63	42	10	13	22	30	55	16	37	38	17	343	287

a Typhus. *b* 1 Typhus and 1 Typhoid. *c* 5 Inquests. *d* Both Infantile. *e* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL.	DISEASE.	5 Weeks ending 31st March	4 Weeks ending 28th April	4 Weeks ending 26th May.	TOTAL
12	11	9	32	Small-pox	11	17	7	35
3	2	2	7	Chicken-pox	..	3	..	3
72	45	44	161	Measles	15	19	11	45
13	8	19	40	Scarlatina	28	39	26	93
1	5	1	7	Diphtheria	..	1	..	1
78	60	66	204	Whooping-cough	111	71	49	231
1	1		2	Croup	3	2	1	6
374	334	292	1000	Diarrhœa	144	129	103	376
3	2	6	11	Dysentery	36	3	9	48
..	..	..	..	Cholera	..	..	..	..
26	18	9	53	Erysipelas	37	13	20	70
..	..	..	..	Puerperal Fever	..	..	..	..
20	17	11	58	Insanity	47	24	54	125
1287	992	781	3060	Bronchitis and Catarrh	1337	875	628	2840
16	15	19	40	Pleurisy	93	59	40	192
29	21	15	65	Pneumonia				
6	5	5	16	Carbuncle	..	..	..	..
4531	4017	3266	11814	Accidents, and all other Diseases.	5560	4405	3897	13862
6472	5553	4545	16570	TOTAL	7422	5660	4845	17927

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY

	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·514	29·504		29·582	29·516	29·502	29·551
Highest (Unreduced)	30·002	29·992		29·904	29·542	30·088	29·606
Lowest (Unreduced)	29·139	29·198		29·100	28·711	29·260	28·810
Range	0·863	0·794		0·804	0·831	0·828	0·796
Temperature.							
Adopted Mean	54·4	54·3		52·5	51·6	54·2	50·9
Range for Week	20·7	23·8		17·0	22·5	21·1	19·7
Daily Range	13·8	15·8		12·7	17·2	16·4	13·8
Maximum in Shade	70·0	67·0		62·3	63·5	65·4	62·0
Minimum in Shade	49·3	43·2		45·3	41·0	44·3	45·7
Temperature of Dew Point	49·2	47·2		46·9	46·8	47·1	45·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·828	0·767		0·843	0·840	0·756	0·809
Prevailing Winds		SW	....	W, SW	SW	W, NW	W, SW
Rain	....	1·382		0·856	1·604	0·961	1,186
Ozonometer.							
Moffat	.....	0·00		....	.....	.....	
Shonbein	.....	0·00		6·14	3·70	4·14	.....

July 7, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, JULY 14, 1866. No. 311.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 14th instant, 1,261 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. This number nearly exactly tallies with that recorded in the preceding week when 1,259 were returned. The deaths among patients of the poorer class amounted to 57, being at the rate of 1 death to every 22 cases.

One hundred and five new cases of Diarrhœa and Dysentery were observed in the course of the week; this number, though considerable, is far less than in the corresponding week of last year when there were 202.

Under Continued Fever we find an improvement, 62 instead of 68 cases being returned; 24 of them are referred to as examples of Typhus.

Bronchitis and kindred affections of the chest were considerably less prevalent than in the preceding week; in that return 135 new cases were entered, in this 105.

The exanthematous fevers—Measles, Small-pox, and Scarlet Fever—all continue singularly mild,—very much less prevalent than in the corresponding period of last year.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 253 deaths were registered in the eleven districts of the Sanitary Association, exactly the same number as that recorded in our preceding return; no fewer than 52 of them are ascribed to Diarrhœa, and 17 to Fever.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 247. Thirty-two deaths are there assigned to Cholera.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 68·2°; at Old Trafford it was 65·2°, and at the Royal Infirmary 63·1°. In London the highest recorded temperature in the shade was 87·2°; in this neighbourhood it was as high as 88°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Croup	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Diarrhœa	1	2	2	1	..	3	9	15	..	7	..	1	3	11	18
Dysentery	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Continued Fever	*a*6	*b*2	1	..	..	*c*3	12	7	*d*7	..	..	*e*3	*f*2	1	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	..	1	..	..	..	1	2	12	2	14	1	1	2	..	..
Neuralgic Affections	..	..	..	..	..	..	..	3	2	3	..	1	..	..	5
Constitutional Syphilis	1	..	..	..	..	..	1	6	..	13	..	..	..	..	..
Phthisis	..	1	1	1	..	..	3	4	1	29	1	4	4	..	..
Insanity	..	..	..	1	..	..	1	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	..	..	..	..	3	3	20	..	21	2	1	1	2	13
Pleurisy and Pneumonia	..	..	..	..	..	..	..	2	2	1	..	1	..	..	..
Skin Diseases	..	1	..	..	..	..	1	12	..	6	..	..	..	1	24
Dyspepsia	..	1	..	..	...	..	1	21	1	19	1	..	..	1	19
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	18	7	6	5	4	10	50	20	38	226	5	1	6	44	16
TOTAL	26	15	10	8	4	21	84	127	53	339	11	13	18	63	98

a 3 removed to Workhouse. *b* 1 Febricula. *c* Febricula. *d* 5 Typhus, 1 Typhoid, and 1 Febricula.
i 1 Typhus. *j* Typhoid.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNC
(14) Dr. WHITEHE
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out- medical relief to the workhouse, and are then reported twice over, this fact has several times been no

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 14th day of July, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	1	7	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Chicken-pox	..
..	..	..	..	3	..	..	..	2	..	..	..	5	14	Measles	..
..	..	..	..	..	1	..	..	..	..	..	1	4	12	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	3	10	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup	..
..	..	5	6	4	2	1	..	7	..	2	..	99	189	Diarrhœa	4
..	..	1	..	..	..	2	1	..	..	..	..	6	13	Dysentery	..
*h*1	*f*6	*i*10	..	*h*1	..	5	..	1	..	*j*2	..	62	58	Continued Fever	5
..	..	2	..	1	..	..	..	..	..	1	1	5	7	Erysipelas	..
..	..	3	..	1	2	..	..	2	1	3	2	51	41	Rheumatism	..
2	..	1	..	..	..	..	..	1	..	..	..	21	11	Neuralgic Affections..	1
..	2	1	1	..	..	..	..	1	..	..	1	28	25	Constitutional Syphilis	..
1	3	7	..	1	..	..	2	1	..	4	..	66	48	Phthisis	7
1	..	..	..	..	..	..	..	..	..	..	..	7	10	Insanity	..
1	..	9	2	..	2	2	..	2	..	5	3	96	106	Bronchitis, Influenza, and Catarrh.....	2
..	..	..	..	..	..	..	..	2	..	1	..	9	8	Pleurisy & Pneumonia.	..
1	1	20	..	2	3	..	2	1	1	..	2	82	89	Skin Disease.....	..
1	..	14	..	..	..	..	3	1	3	1	1	87	64	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	2	..	Atrophy and Anæmia..	1
4	3	84	2	4	4	11	6	28	10	10	46	626	734	Accidents and diseases not classified.....	37
12	15	158	11	17	14	21	15	50	15	29	57	1261	1450	.... TOTAL	57

Typhus and 2 Febricula, *f* Typhus. *g* 2 Removed to Workhouse. *h* Typhu s removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
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(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	1	1	..	..	..	..	1	1	2	1	7	4
Whooping-cough	1	..	1	..	..	..	1	..	..	..	..	3	7
Scarlatina	..	..	..	..	..	1	2	..	..	..	1	4	7
Diarrhœa	6	7	2	7	4	5	2	..	1	12	6	52	84
Fever	1	1	*a*7	*b*1	..	..	*a*3	..	..	*e*4	..	17	16
Diseases of the Lungs	7	14	12	2	..	4	2	1	4	9	..	55	46
Other causes	11	11	20	3	13	8	*c*11	*d*7	10	18	3	115	112
TOTAL NO. OF DEATHS.	26	34	43	13	17	18	21	9	16	45	11	253	278
TOTAL NO. OF BIRTHS.	37	43	17	20	14	12	23	18	23	42	16	265	320

a Typhus. *b* Typhoid. *c* 2 Inquests. *d* 1 Inquest. *e* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL.	DISEASE.	4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL
11	9	22	42	Small-pox	17	7	10	34
2	2	6	10	Chicken-pox	3	..	2	5
45	44	66	155	Measles	19	11	18	48
8	19	31	58	Scarlatina	39	26	36	101
5	1	3	9	Diphtheria	1	..	2	3
60	66	101	227	Whooping-cough	71	49	29	149
1	..	3	4	Croup	2	1	4	7
334	292	595	1221	Diarrhœa	129	103	266	498
2	6	3	11	Dysentery	3	9	17	29
..	..	..	..	Cholera	..	..	..	..
18	9	21	48	Erysipelas	13	20	34	67
..	..	..	..	Puerperal Fever	..	..	..	..
17	11	28	56	Insanity	24	54	60	138
992	781	697	2470	Bronchitis and Catarrh	875	628	626	2129
15	19	11	45	Pleurisy }	59	40	49	148
21	15	24	60	Pneumonia }				
5	5	4	14	Carbuncle	..	..	..	..
4017	3266	4636	11919	Accidents, and all other Diseases.	4405	3897	5060	13362
5553	4545	6251	16349	TOTAL	5660	4845	6213	16718

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY

	Inches.	Wet Days.
Royton	1·975	9
Eccles	1·702	11
Penketh	1·649	9
Old Trafford	1·540	9
Castleton Moor	1·926	6

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·162	30·177		30·244	30·171	30·166	30·157
Highest } Unreduced	30·228	30·294		30·192	29·827	30·372	29·890
Lowest } Unreduced	29·920	29·960		29·870	29·496	30·050	29·578
Range	0·308	0·334		0·322	0·331	0·322	0·312
Temperature.							
Adopted Mean	63·1	65·2		64·2	62·7	65·2	62·5
Range for Week	36·5	35·0		28·9	35·1	37·0	30·8
Daily Range	13·5	19·3		14·3	17·9	21·5	17·3
Maximum in Shade	84·5	88·0		80·7	86·0	87·2	81·0
Minimum in Shade	48·0	53·0		51·8	50·9	50·2	50·2
Temperature of Dew Point	60·0	58·4		58·5	58·4	57·1	55·1
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·900	0·794		0·816	0·861	0·750	0·767
Prevailing Winds		S,SW	....	W	SW	NW	W,SW
Rain	....	0·100		0·024	0·210	0·012	0,190
Ozonometer.							
Moffat	.....	0·00		....	.....	.....	.....
Shonbein	.....	0·00		4·00	2·60	2·20	.....

July 14, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, JULY 21, 1866. No. 312

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 21st instant, 1,368 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the respective numbers were 1,259 and 1,261. A considerable increase is observed under diarrhœa—the new cases rising from 105 to 133, three cases of cholera are included in this return: eighteen of these patients applied for relief at the Clinical Hospital, and twelve at St. Mary's Hospital.

The seizures from Continued Fever amounted to 72, or 10 more than in the preceding week—37 of them are referred to as examples of Typhus, and 3 of Typhoid Fever.

Under Bronchitis and kindred affections of the chest we observe, this week, considerable increase, the respective numbers for the last two weeks being 105 and 133.

Small-pox, Measles, and Scarlet Fever all continue remarkably mild, while Whooping-Cough which during the winter months proved very general has now entirely disappeared from the return.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 271 deaths were registered in the eleven districts of the Sanitary Association, in the two preceding weeks the return was somewhat more satisfactory and did not exceed 253—67 of the deaths are attributed to diarrhœa.

In the Ancoats district two fatal cases of "English" cholera were registered. The subjects of the disease were a man of 22 and his wife aged 20. In neither of the cases was life prolonged beyond 24 hours.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 428. No fewer than 346 fatal cases of cholera were recorded during the week.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 62·2°; at the Royal Infirmary 61·6°, at Old Trafford 60·9°, and at Eccles 60·2°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment L

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Scarlatina	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	4	4	2	1	3	6	20	10	..	12	3	..	1	12	18
Dysentery	..	..	..	..	2	1	3	1	..	..	..	..	..	1	..
Continued Fever	..	*a*3	1	1	6	*c*3	14	13	*c*3	..	..	*d*3	*e*2	2	..
Erysipelas	..	..	..	1	..	..	1	1	..	2	..	..	1	..	..
Rheumatism	1	1	..	..	..	..	2	10	1	17	..	1	2	..	3
Neuralgic Affections	..	..	..	..	..	..	..	..	2	5	..	..	1	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	7	..	19	..	..	..	..	2
Phthisis	..	..	..	..	..	..	..	7	..	20	..	..	1	..	..
Insanity	..	..	1	..	..	1	2	10	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	5	1	1	1	4	12	15	2	29	3	1	1	1	15
Pleurisy and Pneumonia	..	..	..	1	..	..	1	2	1	2	..	1	2	..	..
Skin Diseases	1	..	..	..	..	..	1	11	..	17	..	..	1	2	21
Dyspepsia	..	1	..	..	..	1	2	13	..	18	..	..	1	2	21
Atrophy and Anæmia	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..
Accidents and diseases not classified	8	3	7	*b*11	3	14	46	20	44	263	2	4	4	37	25
TOTAL	14	17	12	16	17	31	107	120	54	404	8	10	17	58	109

a Typhus, removed to Workhouse. *b* 3 Cholera. *c* Typhus. *d* 1 Typhus and 2 Febricula.
i 4 Typhus 1 Typhoid, and 2 Febricula. *j* 3 deaths from Cholera.

Medical Officers to whom the Associati

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SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
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RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	5	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	2	2	..	Chicken-pox	..
..	..	..	..	1	2	..	..	2	..	..	..	6	8	Measles	..
..	..	..	..	2	1	..	..	..	1	..	..	6	11	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	1	..	..	2	11	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	..	9	6	2	2	2	5	10	3	2	..	124	171	Diarrhœa	2
..	..	2	..	..	..	..	..	..	1	..	..	9	12	Dysentery	..
*e*1	*c*7	9	..	*f*4	*g*2	..	*g*3	..	1	*h*1	*i*7	72	39	Continued Fever	3
..	..	..	..	..	..	..	..	..	..	..	..	5	3	Erysipelas	..
1	1	4	..	..	2	1	..	2	..	1	1	52	83	Rheumatism	..
2	..	3	..	..	..	..	..	..	..	..	..	18	17	Neuralgic Affections ..	..
..	..	3	..	1	..	..	..	1	..	..	1	36	30	Constitutional Syphilis	2
..	3	6	..	1	..	..	1	1	..	3	1	44	62	Phthisis	3
..	..	..	..	..	..	..	1	..	..	..	..	13	8	Insanity	1
2	1	8	2	2	2	..	3	2	1	5	3	120	98	Bronchitis, Influenza, and Catarrh.....	4
..	..	..	..	..	..	..	..	..	..	2	2	13	11	Pleurisy & Pneumonia.	2
..	2	17	..	..	3	..	..	1	..	2	5	83	77	Skin Disease.....	..
..	1	19	1	..	4	..	2	2	2	2	6	101	78	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	4	..	Atrophy and Anæmia..	3
7	8	79	3	2	2	8	..	27	2	22	49	657	843	Accidents and diseases not classified.....	*j* 21
13	23	159	12	15	20	11	16	49	12	40	77	1368	1567	.... TOTAL	41

yphoid, removed to Workhouse. *f* 1 Typhus, removed to Workhouse. *g* 2 Removed to Workhouse. *h* Typhoid.

ndebted for the annexed Returns.

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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	2	..	1	..	3	9
Whooping-cough	..	1	..	..	..	..	..	..	1	..	..	2	9
Scarlatina	..	1	..	..	..	..	1	1	..	1	..	4	14
Diarrhœa	*a*7	10	4	8	7	4	6	1	4	12	4	67	60
Fever	1	..	*c*3	..	1	*c*1	*c*1	1	1	..	..	9	15
Diseases of the Lungs	9	7	7	..	..	3	6	..	2	9	3	46	30
Other causes	*b*21	12	8	*d*12	9	*e*12	13	11	*f*11	*g*21	10	140	134
TOTAL NO. OF DEATHS.	38	31	22	20	17	20	27	16	19	44	17	271	271
TOTAL NO. OF BIRTHS.	37	28	13	14	16	14	45	11	25	33	33	239	351

a Infants. *b* 2 Cases of English Cholera man and wife, 24 hours; also 5 Inquests. *c* Typhus. *d* 4 Inquests. *e* 1 Choleraic Diarrhœa. *f* 1 Choleraic Diarrhœa, 10½ hours, also 2 Inquests. *g* 1 English Cholera, and 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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Population in 1861, 390,815.

4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL.	DISEASE.	4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL
11	9	22	42	Small-pox	17	7	10	34
2	2	6	10	Chicken-pox	3	..	2	5
45	44	66	155	Measles	19	11	18	48
8	19	31	58	Scarlatina	39	26	36	101
5	1	3	9	Diphtheria	1	..	2	3
60	66	101	227	Whooping-cough	71	49	29	149
1	..	3	4	Croup	2	1	4	7
334	292	595	1221	Diarrhœa	129	103	266	498
2	6	3	11	Dysentery	3	9	17	29
..	..	..	..	Cholera	..	..	..	..
18	9	21	48	Erysipelas	13	20	34	67
..	..	..	..	Puerperal Fever	..	..	..	..
17	11	28	56	Insanity	24	54	60	138
992	781	697	2470	Bronchitis and Catarrh	875	628	626	2129
15	19	11	45	Pleurisy }	59	40	49	148
21	15	24	60	Pneumonia }				
5	5	4	14	Carbuncle	..	..	..	..
4017	3266	4636	11919	Accidents, and all other Diseases.	4405	3897	5060	13362
5553	4545	6251	16349	TOTAL	5660	4845	6213	16718

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.	Inches.	Wet Days.
Castleton Moor	5·815	18
Wilmslow	5·462	17
Royton	5·258	15
Old Trafford	3·975	16
Penketh	3·769	16

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·084	30·098	30·103	30·052	30·094	30·092	30·077
Highest } Unreduced	30·140	30·176	30·189	29·996	29·678	30·260	29·780
Lowest } Unreduced	29·866	29·888	29·911	29·790	29·410	29·965	29·488
Range	0·274	0·288	0·278	0·206	0·268	0·295	0·292
Temperature.							
Adopted Mean	61·6	60·9	60·2	53·1	59·5	61·6	58·9
Range for Week	23·5	32·7	30·3	31·6	35·2	36·3	31·0
Daily Range	16·2	22·9	22·1	21·1	23·2	26·2	19·7
Maximum in Shade	75·8	79·0	75·9	72·9	76·7	78·9	74·0
Minimum in Shade	52·3	46·3	45·6	41·6	41·5	42·5	43·0
Temperature of Dew Point	58·6	54·0	54·4	52·8	52·5	52·0	50·3
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·869	0·787	0·747	0·823	0·777	0·683	0·733
Prevailing Winds		S.NE	SE,NE	SE,E	SW,NE	SE,NW	SW,NE
Rain	....	0·000	0·000	0·000	0·000	0·000	0,000
Ozonometer.							
Moffat	.....	0·00	0·43	....	.....	.....	.....
Shonbein	.....	0·06		2·83	3·20	1·30	.....

July 21, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, JULY 28, 1866. No. 313

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 28th ultimo, 1,381 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,261 and 1,368. The deaths among patients of the poorer class amounted to 64, being in the proportion of 1 death to every 21 cases.

The most unsatisfactory feature in the present return is the alarming increase of Diarrhœa—in the preceding week 133 new cases were returned—in this 212. Twenty-eight of these patients applied for relief at the Clinical Hospital and 20 at St. Mary's. Mr. Webster refers to a case of Asiatic Cholera, which came under his care at the Manchester Workhouse. The patient, at the time of his report, was going on favourably.

The cases of Continued Fever are still numerous, no fewer than 68 being returned in the course of the week; 37 of them are referred to as examples of true Typhus.

Bronchitis and kindred affections of the chest proved less prevalent than in the previous week, the respective number of cases being 133 and 114.

Not a single case of Small-pox was recorded during the week, while the seizures from Measles and Scarlet Fever are by no means numerous.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 302 deaths were registered in the eleven districts of the Sanitary Association; a considerable increase on the two preceding returns. This increase is almost entirely due to the fatal intensity of Diarrhœa—a fortnight ago only 52 deaths were attributed to this cause—last week 93. Twenty-one of them were registered in the Ancoats District, and 18 in that of Hulme.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 1,213, this excess of deaths being caused entirely by Cholera and Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59·3°; at the Infirmary it was 58·6°, at Old Trafford 58·1°, and at Eccles 57·2°. Nearly 2½ inches of rain was registered at the latter station.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

	MANCHESTER.														
Area in Statute Acres	..... Manchester Township 1,645														
Population in 1861	..... ,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	2	1	..	..	3	..	..	..	..	..	..	..	..
Scarlatina	..	2	..	..	..	..	2	2	..	..	..	..	..	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	*a*3	3	3	9	*a*8	14	40	*e*21	..	16	1	..	..	20	28
Dysentery	..	..	..	..	..	1	1	2	..	1	..	..	..	2	..
Continued Fever.....	*b*5	..	2	..	*c*5	*d*4	16	18	*f*4	..	1	*g*1	*h*2	..	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Rheumatism	..	..	..	..	..	1	1	10	2	11	..	1	1	..	6
Neuralgic Affections	..	..	..	..	..	..	..	3	1	2	..	..	..	..	3
Constitutional Syphilis	..	..	..	..	..	1	1	7	..	15	1	..	1	..	3
Phthisis	..	..	1	..	..	..	1	..	1	19	1	1	1	..	4
Insanity	..	..	..	..	..	1	1	13	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	1	1	1	2	6	22	..	19	..	1	1	..	7
Pleurisy and Pneumonia....	..	1	..	..	..	..	1	..	1	1	2	..	1	1	..
Skin Diseases.....	..	1	1	..	..	..	2	8	..	7	..	..	..	2	13
Dyspepsia	..	..	..	...	1	..	1	15	..	28	..	1	..	2	22
Atrophy and Anæmia.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	12	3	8	4	5	12	44	15	40	231	4	8	9	36	19
TOTAL	21	10	18	15	20	36	120	137	49	350	10	13	16	64	107

a 1 English Cholera. *b* 2 removed to Workhouse. *c* Removed to Workhouse. *d* 3 Typhus.
h Febricula. *i* Typhus, removed to Workhouse. *j* Typhus. *k* Typhoid.

Medical Officers to whom the Associ

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, ,, W.H. SUTCLIFFE, ,, THEODORE FENNELL
(13) Mr. H. RUN
(14) Dr. WHITF
(15) ,, J OGDE
(16) Mr. J. TEA

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the o
medical relief to the workhouse, and are the ı reported twice over, this fact has several times been

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 28th day of July, 1866.

SALFORD.		HULME.	CHORLTON.	ARDWICK	PENDLETON AND PENDLEBURY.		
... 1,329		.... 477.	.. 646. ..	508.	..... 2650.....		Area in Statute Acres.
... 70,967.		.. 68,209. ..	.. 44,850 ..	21739	.....24,448		Population in 1861.
ORLAW STRICT	PUBLIC INSTITUTIONS.	POOR LAW DISTRICTS					
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	5	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	1	1	1	Chicken-pox	..
..	..	..	..	1	..	..	..	4	..	..	..	8	11	Measles	..
..	..	1	..	..	..	..	..	..	1	..	..	7	5	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	2	19	Whooping-cough	..
..	..	..	..	..	..	..	..	..	1	..	..	1	..	Croup	..
3	7	..	7	8	7	10	4	6	12	2	4	2	204	202	Diarrhœa	8
..	..	..	2	..	..	..	..	..	..	..	..	..	8	11	Dysentery	..
3	*i*4	*j*2	5	..	1	*b*2	*i*1	*h*2	..	..	*k*1	*j*5	68	72	Continued Fever	4
1	..	..	2	..	2	..	..	..	1	..	..	..	7	2	Erysipelas	1
..	..	..	10	..	1	1	..	..	3	1	3	3	56	72	Rheumatism	..
..	..	..	2	..	..	1	..	..	1	..	2	..	16	20	Neuralgic Affections ..	..
..	..	..	3	..	1	..	..	..	1	..	..	3	39	46	Constitutional Syphilis	1
2	1	1	6	..	..	..	..	2	1	..	2	2	45	37	Phthisis	3
1	..	1	..	..	..	..	..	..	..	..	..	..	16	12	Insanity	..
1	3	..	15	2	..	1	..	4	2	2	7	6	102	97	Bronchitis, Influenza, and Catarrh.....	4
..	1	..	1	..	..	1	..	..	1	..	..	1	12	8	Pleurisy & Pneumonia.	2
..	..	..	17	..	1	..	..	..	1	..	2	9	66	77	Skin Disease.....	..
1	..	2	15	1	..	1	..	2	1	..	4	3	101	75	Dyspepsia	..
..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	2
13	6	4	84	2	3	1	8	1	31	4	20	37	621	711	Accidents and diseases not classified.....	*l* 39
25	22	10	170	13	17	18	13	17	60	11	45	72	1381	1483	.... TOTAL	64

e 1 Asiatic Cholera, aged 47 years. *f* 3 Typhus and 1 Typhoid. *g* Typhus, removed to Fever Ward.
l 1 death from English Cholera.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

in the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	..	..	..	..	1	3	..	4	12
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	2
Scarlatina	..	2	..	..	..	..	1	..	..	..	1	4	10
Diarrhœa	21	9	7	4	5	*g*13	4	1	*j*6	18	5	93	99
Fever	1	2	*c*1	*e*1	..	*h*3	*h*3	..	1	1	1	14	8
Diseases of the Lungs	9	4	8	4	2	5	2	2	2	9	..	47	25
Other causes	*a*18	*b*19	*d*29	4	*f*5	6	*i*9	7	13	23	*i*7	140	138
TOTAL NO. OF DEATHS.	49	36	45	13	12	27	19	10	23	54	14	302	295
TOTAL NO. OF BIRTHS.	35	41	19	20	13	15	32	14	26	55	19	289	284

a 2 English Cholera, both adults, 1 ill only 12 hours; also 3 Inquests. *b* 2 English Cholera, also 2 Inquests. *c* Typhus. *d* 2 Cholera. *e* Typhoid. *f* 1 English Cholera. *g* All under 2 years of age. *h* 2 Typhus and 1 Typhoid. *i* 1 English Cholera; also 1 Inquest. *j* All Infantile

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL.	DISEASE.	4 Weeks ending 28th April	4 Weeks ending 26th May.	5 Weeks ending 30th June.	TOTAL
11	9	22	42	Small-pox	17	7	10	34
2	2	6	10	Chicken-pox	3	..	2	5
45	44	66	155	Measles	19	11	18	48
8	19	31	58	Scarlatina	39	26	36	101
5	1	3	9	Diphtheria	1	..	2	3
60	66	101	227	Whooping-cough	71	49	29	149
1	..	3	4	Croup	2	1	4	7
334	292	595	1221	Diarrhœa	129	103	266	498
2	6	3	11	Dysentery	3	9	17	29
..	..	..	..	Cholera	..	..	..	..
18	9	21	48	Erysipelas	13	20	34	67
..	..	..	..	Puerperal Fever	..	..	..	..
17	11	28	56	Insanity	24	54	60	138
992	781	697	2470	Bronchitis and Catarrh	875	628	626	2129
15	19	11	45	Pleurisy	59	40	49	148
21	15	24	60	Pneumonia				
5	5	4	14	Carbuncle	..	..	..	..
4017	3266	4636	11919	Accidents, and all other Diseases.	4405	3897	5060	13362
5553	4545	6251	16349	TOTAL	5660	4845	6213	16718

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.

	Inches.	Wet Days.
Castleton Moor	5·815	18
Wilmslow	5·462	17
Royton	5·258	15
Old Trafford	3·975	16
Penketh	3·769	16

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·000	29·999	30·018	29·983	30·024	30·011	
Highest (Unreduced)	30·186	30·194	30·233	30·098	29·723	30·294	
Lowest (Unreduced)	29·522	29·526	29·595	29·482	29·075	29·648	
Range	0·664	0·668	0·638	0·616	0·648	0·645	
Temperature.							
Adopted Mean	58·6	58·1	57·2	56·4	54·9	58·9	NO RETURN.
Range for Week	24·8	30·8	30·1	27·7	28·1	31·7	
Daily Range	15·0	15·4	14·6	12·5	15·0	18·1	
Maximum in Shade	77·3	79·3	77·4	71·7	73·0	78·6	
Minimum in Shade	52·5	48·5	47·3	44·0	44·9	46·9	
Temperature of Dew Point	55·5	51·8	50·9	52·7	51·0	52·2	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·896	0·795	0·794	0·875	0·867	0·785	
Prevailing Winds		NE	NE	NE	NE	NE	
Rain	....	2·228	2·416	1·600	1·780	1·495	
Ozonometer.							
Moffat	.....	0·00	0·57	....	.....	.....	
Shonbein	.....	0·00		4·14	4·80	0·40	

July 28, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, AUGUST 4, 1866. No. 314.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending Saturday, August 4th, 1,552 new cases of disease and accidental injury were returned from the various Charitable Institutions and from the Poor Law Unions, showing an increase of 184 cases upon the last return.

This excess was chiefly due to the very large number of cases of Diarrhœa, which had again risen from 133 and 212, in the two preceding weeks, to 381 in the present week. Of these cases 92 are reported by Dr. Mann as having occurred in St. Peter's Poor Law District, and this large return does not include 51 cases of English Cholera (2 of which died) from the same district. One case of Asiatic Cholera was taken to the Manchester Workhouse—and another case, probably of the same disease, reported by Dr. Ledward, died after eighteen hours illness, in a narrow court in St. Michael's District.

Continued Fever was more prevalent than in the previous week, 72 cases being recorded. Of these 30 were marked as Typhus, and 9 of them were removed to the Workhouses.

The other zymotic diseases—Small-pox, Scarlatina, and Measles—continue to be less prevalent.

A case of Hydrophobia is reported from the Infirmary.

Bronchitis and other affections of the chest were slightly more frequent than in the preceding week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

There was again an increase in the number of deaths in Manchester and Salford, 318 being registered during the week; and, again, the increase is due to Diarrhœa and English Cholera, 101 deaths from these causes being recorded. Nineteen of these occurred in Ancoats, 15 of them being of infants under 1 year of age. In Chorlton, also, 11 out of 12 deaths from this cause were of infants. Two deaths from Cholera were registered in St. George's District, and 1 in Market Street.

Fever is still increasing in fatality in Manchester and Salford in the last three weeks; the number of deaths from this cause were 9, 14, and 17.

In London, during the week, 1,053 persons died of Cholera, and 354 of Diarrhœa.

It must be noticed that the great prevalence of Diarrhœa was not due to the temperature of the air; at the Royal Observatory, Greenwich, the mean temperature of the week was 58·8° (3 6° below the average of fifty years); at the Infirmary it was only 54·3°, at Old Trafford 56·1°, and at Eccles 54·4°; in each case several degrees lower than the readings of the previous week.

Ozone was abundant at Eccles, Wilmslow, Royton, and Penketh.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Scarlatina	..	..	..	..	..	..	..	2	1	..	..	..	3	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	92	30	40	8	2	14	186	20	2	23	..	..	5	24	29	
Dysentery	4	..	..	..	..	..	4	1	1	..	..	..	..	..	..	
Continued Fever	1	*b*1	2	2	3	*d*7	16	12	8	..	..	..	*b*1	3	..	
Erysipelas	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	
Rheumatism	..	1	1	1	..	..	3	16	2	10	..	1	1	..	2	
Neuralgic Affections	..	..	1	..	..	..	1	..	2	4	..	..	..	..	2	
Constitutional Syphilis	..	..	..	1	..	..	1	12	..	12	1	..	1	1	..	
Phthisis	..	..	1	..	..	1	2	5	3	18	1	1	2	..	3	
Insanity	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	4	2	..	2	1	5	14	23	..	22	1	4	2	2	6	
Pleurisy and Pneumonia	1	1	..	..	..	..	2	2	2	1	..	..	1	..	..	
Skin Diseases	..	..	..	..	..	..	..	7	..	14	..	..	..	..	18	
Dyspepsia	..	..	..	...	..	..	..	23	1	15	..	1	1	1	5	
Atrophy and Anæmia	..	..	1	..	..	2	3	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	*a*57	3	*c*10	3	8	16	97	*e*13	*f*40	186	3	9	13	27	16	
TOTAL	159	38	56	17	14	46	330	143	62	305	6	16	30	60	81	2

a 51 Cases of English Cholera. *b* Febricula. *c* 1 Cholera. *d* 6 Typhus removed to Workhouse. *j* 1 removed to Workhouse. *k* Typhus.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
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(5) Mr. OCTAVIUS DEAN,
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-d medical relief to the workhouse, and are then reported twice over this fact has several times been noti

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 4th day of August, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448.....				Population in 1861.	
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	1	4	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	2	..	3	..	..	..	5	8	Measles	1
..	..	..	..	..	..	..	..	4	..	1	..	11	12	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	2	14	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
6	1	12	5	5	5	*j* 11	11	8	4	3	9	381	223	Diarrhœa	8
2	..	1	..	..	..	1	..	1	..	..	1	13	8	Dysentery	..
..	*h* 8	*i* 10	..	..	..	2	2	..	..	*i* 1	*k* 4	72	60	Continued Fever	5
1	1	1	..	1	..	..	..	1	..	..	1	9	4	Erysipelas	1
1	..	7	..	..	..	..	3	2	..	1	6	58	58	Rheumatism	..
..	..	2	..	..	1	..	..	1	..	2	..	18	9	Neuralgic Affections ..	..
1	..	2	..	..	..	..	..	1	..	..	3	38	42	Constitutional Syphilis	..
..	2	6	..	..	..	1	1	1	..	3	2	51	50	Phthisis	11
..	3	..	..	..	..	..	..	1	1	..	..	11	5	Insanity	..
3	2	14	1	..	1	2	1	2	1	4	4	112	104	Bronchitis, Influenza, and Catarrh.....	3
..	..	3	..	..	..	..	..	2	..	..	..	13	17	Pleurisy & Pneumonia.	1
..	1	16	..	..	..	..	..	1	..	1	12	73	68	Skin Disease.....	..
..	1	12	1	1	2	..	2	1	..	2	1	74	85	Dyspepsia	..
..	..	..	..	..	..	..	3	1	..	..	..	7	..	Atrophy and Anæmia..	3
14	4	60	2	4	4	3	5	30	2	25	38	603	635	Accidents and diseases not classified.....	27
28	23	147	9	11	13	22	28	60	8	43	81	1552	1406	.... TOTAL	60

Asiatic Cholera. *f* 1 Hydrophobia. *g* 2 Removed to Workhouse. *h* 6 Typhus and 2 Febricula. *i* 1 Typhus.

adebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
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(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	1	..	..	2	7
Whooping-cough	..	1	..	..	..	..	1	1	..	..	..	3	5
Scarlatina	2	3	..	..	..	..	1	..	..	..	..	6	5
Diarrhœa	*a*19	7	4	12	5	9	*j*11	3	*l*12	14	5	101	104
Fever	1	..	*d*6	*f*1	*f*1	*f*2	..	1	*m*2	*n*2	*o*1	17	7
Diseases of the Lungs	7	8	6	4	2	6	3	1	1	9	1	48	38
Other causes	*b*10	*c*21	*e*18	*g*5	*h*17	*i*9	*k*12	4	12	21	12	141	104
TOTAL NO. OF DEATHS.	40	40	34	22	25	26	28	10	28	46	19	318	270
TOTAL NO. OF BIRTHS.	39	44	6	19	19	34	40	22	36	53	20	332	305

a 15, under 1 year old. *b* 2 English Cholera. *c* 2 Asiatic and 2 English Cholera. *d* 5 Typhus. *e* 1 Cholera. *f* Typhus. *g* 1 English Cholera. *h* 6 Inquests. *i* 2 Inquests. *j* 1 Choleraic Diarrhoea, 48 hours. *k* 1 English Cholera; also 3 Inquests. *l* 11 Infantile. *m* 1 Typhus. *n* 1 Gastric and 1 Typhoid. *o* Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.

	Inches.	Wet Days.
Old Trafford	4·309	13
Eccles	4·086	13
Royton	4·010	14
Wilmslow	3·217	14
Penketh	3·003	14

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Macketreth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	118ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·672	29·681	29·705	29·664	29·667	29·684	
Highest (Unreduced)	29·827	29·838	29·869	29·738	29·360	29·923	
Lowest (Unreduced)	29·448	29·450	29·443	29·367	28·980	29·530	
Range	0·379	0·388	0·426	0·371	0·380	0·393	
Temperature.							
Adopted Mean	54·3	56·1	54·4	53·4	54·0	56·1	NO RETURN.
Range for Week	17·2	33·0	31·1	28·0	34·4	36·9	
Daily Range	11·8	14·9	13·6	12·9	16·7	13·6	
Maximum in Shade	63·9	74·0	71·2	66·9	71·0	74·9	
Minimum in Shade	46·7	41·0	40·1	38·9	36·6	38·0	
Temperature of Dew Point	50·3	50·3	49·3	49·8	51·4	50·8	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·865	0·810	0·830	0·875	0·906	0·822	
Prevailing Winds		NW, SW	NW	W, SW	NW	NW	
Rain	....	1·903	1·777	1·352	2·021	1·377	
Ozonometer.							
Moffat	.....	0·57	4·28	....	.....	.....	
Shonbein	.....	0·43	.....	7·57	6·84	4·86	

August 4, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, AUGUST 11, 1866. No. 315.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 11th instant, 1,510 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,381 and 1,552.

The most unsatisfactory feature in the present return is the extreme and increasing prevalence of Diarrhœa—no fewer than 482 new cases being recorded during the course of the week; in the two previous weeks the numbers were 212 and 394. In the St. Peter's district 198 cases are reported to have come under the observation of Mr. Mann. This disease appears at the present time to be far more general among adults than is usually found to be the case at this time of the year; the proportion of patients seen at St. Mary's and the Clinical Hospitals being considerably less than at other times when Diarrhœa is epidemic.

Under Continued Fever it is satisfactory to observe a decided improvement, 56 instead of 72 cases being entered in our return; 19 of them are especially referred to as examples of Typhus.

There is a remarkable increase in the number of new cases of Measles, no fewer than 14 patients suffering from this disease being admitted into the wards of the Chorlton Workhouse.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 275 deaths were registered in the eleven districts of the Sanitary Association; a considerable improvement on the heavy rate of mortality observed in the two preceding weeks.

It is satisfactory to observe that, though the *cases* of Diarrhœa appear to be on the increase, there is a considerable falling off in the virulence of the disease. In our two former returns 93 and 101 deaths were respectively entered—in the present only 67.

The mortality arising from other diseases is generally satisfactory.

Last week the mean temperature of the air was 54·7° at Old Trafford, and 53·3 at Eccles. Upwards of 1 inch of rain is reported to have fallen.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	2	..	..	2	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	198	32	40	39	2	29	340	5	..	1	2	1	1	13	16
Dysentery	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Continued Fever	*a*3	*b*1	*c*5	..	*a*1	*b*1	11	13	*e*5	..	..	*f*4	*b*1	2	..
Erysipelas	..	..	..	..	..	1	1	2	..	1	..	..	..	..	..
Rheumatism	1	1	..	..	..	2	4	10	2	2	1	..	..	..	1
Neuralgic Affections	..	..	..	..	..	..	..	4	1	..	..	..	1	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	10	1	8	..	..	..	1	..
Phthisis	..	..	..	..	..	..	..	7	..	1	1	1	..	..	1
Insanity	*a*1	..	1	..	..	..	2	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	2	..	2	1	6	19	1	7	4	4	1	..	3
Pleurisy and Pneumonia	1	..	..	..	..	..	1	3	..	1	..	1	1	..	..
Skin Diseases	..	..	..	..	..	1	1	5	..	5	..	..	..	3	12
Dyspepsia	1	..	..	..	..	..	1	20	..	..	..	..	1	1	14
Atrophy and Anæmia	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	6	7	*d*7	2	2	10	34	30	30	235	1	2	8	40	24
TOTAL	212	41	55	43	7	46	404	135	40	261	9	13	15	61	75

a Removed to Workhouse. *b* Febricula. *c* 2 Febricula. *d* 1 Cholera. *e* 4 Typhus and 1 Typhoid.

Medical Officers to whom the Associati

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Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	1	1	..	..	2	..	..	14	20	9	Measles	..
..	..	..	..	..	..	..	..	3	..	..	..	5	10	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	1	..	..	4	15	Whooping-cough	..
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup	1
8	6	21	5	17	5	4	7	10	2	4	1	477	152	Diarrhœa	7
1	..	4	..	..	..	..	..	..	..	..	..	9	3	Dysentery	..
1	*g*2	7	..	*h*4	..	..	1	..	1	..	..	54	87	Continued Fever	2
..	..	2	..	..	..	..	..	1	..	1	..	8	1	Erysipelas	..
1	2	9	..	1	4	1	2	2	1	2	..	49	41	Rheumatism	..
..	1	5	..	..	1	..	..	..	..	1	..	16	23	Neuralgic Affections ..	..
..	..	3	..	..	..	..	1	..	..	..	1	25	44	Constitutional Syphilis	..
..	1	8	..	..	..	..	1	1	..	3	1	28	58	Phthisis	10
..	1	..	..	..	1	..	..	..	..	..	..	8	6	Insanity	..
7	1	11	2	4	2	..	2	2	1	6	3	91	113	Bronchitis, Influenza, and Catarrh.....	7
..	..	1	..	..	..	1	..	..	..	..	..	9	13	Pleurisy & Pneumonia.	..
..	..	15	..	..	..	..	..	2	1	1	3	51	85	Skin Disease.....	..
3	2	12	..	..	2	..	2	2	2	3	1	72	70	Dyspepsia	..
..	..	..	..	1	..	..	..	1	..	..	..	3	..	Atrophy and Anæmia..	..
9	12	52	1	3	4	3	11	27	5	22	36	594	630	Accidents and diseases not classified.....	*i* 27
30	28	151	8	31	20	9	27	53	14	43	60	1524	1363	.... TOTAL	54

f 1 Typhoid and 3 Febricula. *g* 1 Typhus and 1 Febricula. *h* 1 Typhus and 3 Febricula. *i* 1 Death from Cholera.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	1	..	..	..	1	2	..	4	4
Whooping-cough	..	..	..	..	..	1	..	..	..	1	..	2	10
Scarlatina	1	2	..	2	..	..	1	..	..	1	..	7	9
Diarrhœa	10	12	4	1	5	7	9	..	4	12	3	67	73
Fever	1	2	*b*4	1	*d*1	..	*d*4	1	*d*1	..	..	15	14
Diseases of the Lungs	3	8	8	5	..	3	6	..	6	4	3	46	47
Other causes	*a*12	15	19	*c*9	*e*9	*f*4	16	5	13	*g*29	3	134	144
TOTAL NO. OF DEATHS.	27	39	35	18	16	15	36	6	25	49	9	275	302
TOTAL NO. OF BIRTHS.	25	34	13	12	24	41	26	21	24	38	20	278	334

a 1 Cholera. *b* 2 Typhus and 2 Typhoid. *c* 1 Asiatic Cholera, 14 hours. *d* Typhus. *e* 4 English Cholera. *f* 1 Inquest. *g* 2 Cholera.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.

	Inches.	Wet Days.
Old Trafford	4·309	13
Eccles	4·086	13
Royton	4·010	14
Wilmslow	3·217	14
Penketh	3·003	14

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Macreth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145 ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·624	29·630	NO RETURN.	29·632	29·621	29·635
Highest (Unreduced)		30·007	30·015		29·531	30·120	29·640
Lowest (Unreduced)		29·178	29·087		28·675	29·227	28·770
Range		0·829	0·928		0·859	0·893	0·870
Temperature.							
Adopted Mean		54·7	53·3		52·7	54·7	51·2
Range for Week		21·6	20·3		21·7	18·4	18·9
Daily Range		15·5	14·6		17·2	15·1	12·6
Maximum in Shade		65 8	63·7		64·0	65·0	62·4
Minimum in Shade		44·2	43 4		42·3	46·6	43·5
Temperature of Dew Point		47·9	46·6		48·3	46·5	45·4
Hygrometrical condition of the Atmosphere.		GRS.	GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·770	0·779		0·850	0·740	0·807
Prevailing Winds		S, SW	W, NW		S, SW, NW	S, SW	S, SW, NW
Rain		1·228	1·181		1·649	1·449	1·296
Ozonometer.							
Moffat		1·00	3·00		....	.....	.....
Shonbein		0·71	.....		2·62	5 13	.....

August 11, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, AUGUST 18, 1866. No. 316.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

During the week ending August 18th 1,627 new cases of disease and accidental injury came under treatment at the various public institutions from which returns are received by this Association. This return exceeds by more than 300 cases that for the corresponding week last year.

The excess is still owing to the large prevalence of Diarrhœa and other intestinal affections. The number of cases of these diseases reported last week was 447; and, although this number is slightly less than the previous week, it is more than 200 in excess of any corresponding return for the last six years. It is probable, also, that the great prevalence of these disorders is owing to epidemic influence, rather than to climatic causes. It will be observed that the largest number of cases (186) is again reported from St. Peter's Poor Law District; and the meteorological returns show that the mean temperature of the week was still much below the average of the season. Dr. Mann reports one only of the 186 cases as Asiatic Cholera, but there is undoubtedly great need for persistence in measures of prevention, not only in this district but in other parts of the town.

There is again a large increase in the number of cases of Fever, 68 being returned this week; and, of these cases, 29 are noted as true Typhus and 3 as Typhoid; 10 of these patients were removed to the Workhouse.

Measles has again diminished in prevalence.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Notwithstanding the increased number of cases of disease applying for relief it is very satisfactory to observe that the fatality of these disorders continues to diminish. The total number of deaths registered in the several districts was 233; in the two preceding weeks the numbers were 318 and 275.

The deaths from Diarrhœa have also diminished from 101, in the week ending August 4th, and 67, in the week ending August 11th, to 50 in the course of this week.

One death from Cholera of an infant aged eleven months is reported from Ardwick, and three deaths from English Cholera in Deansgate.

The number of deaths from Fever still remains large.

The mean temperature of the week at Greenwich was 58·0°, 3·5° below the average of 50 years; at the Royal Infirmary it was 54·9°, at Old Trafford 56·1, and at Eccles 54·4°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts. St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Public Institutions. Workhouse. 7	Royal Infirmary. In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	Children St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	*a*186	32	38	12	1	30	299	2	..	16	..	..	1	13	24
Dysentery	..	3	..	..	..	..	3	1	..	..	..	..	..	1	..
Continued Fever	*b*1	*c*5	3	..	*d*7	*e*4	20	16	*f*3	..	1	3	*g*3	3	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..
Rheumatism	..	..	..	..	..	1	1	18	1	12	..	..	1	..	5
Neuralgic Affections	..	..	..	..	..	..	..	..	1	3	..	..	1	..	3
Constitutional Syphilis	..	..	..	..	..	..	..	5	..	18	..	..	..	..	..
Phthisis	..	..	..	..	..	..	..	9	..	18	3	1	2	2	3
Insanity	..	1	..	..	..	..	1	8	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	3	..	1	1	1	6	23	1	23	1	..	..	3	18
Pleurisy and Pneumonia	2	1	..	..	..	1	4	1	1	..	1	..	..	..	..
Skin Diseases	..	..	..	..	..	..	..	8	..	6	..	1	..	2	15
Dyspepsia	..	2	..	...	1	..	3	23	..	38	..	..	..	1	16
Atrophy and Anæmia	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	5	4	8	8	3	7	35	24	54	226	8	2	12	25	12
TOTAL	194	51	49	21	14	45	374	139	61	360	14	7	21	51	97

a 1 Asiatic Cholera. *b* Removed to Workhouse. *c* 3 Typhus removed to Workhouse. *d* 5 Removed to Hospital
h 3 Febricula and 2 Typhus, 1 Typhus removed to Hospital. *i* 3 Typhus and 2 Typhoid.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL

(13) Mr. H. RUNCO
(14) Dr. WHITEHEA
(15) „ J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-d
medical relief to the workhouse, and are then reported twice over this fact has several times been noti

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 18th day of August, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Chicken-pox	..
..	..	1	..	..	..	1	..	4	..	..	3	9	12	Measles	2
..	1	1	..	1	..	1	..	..	5	1	..	11	6	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	1	1	..	..	..	..	..	..	4	18	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	1	23	4	7	4	5	6	15	..	6	2	435	136	Diarrhœa	9
..	..	..	1	..	..	..	..	..	..	..	1	12	2	Dysentery	..
..	2	4	..	*h*5	..	*b*1	..	..	..	*i*5	1	68	69	Continued Fever	7
..	..	3	..	..	1	..	..	..	..	..	..	6	7	Erysipelas	..
..	..	8	..	1	..	..	..	1	..	2	4	56	57	Rheumatism	..
..	..	2	..	..	..	..	..	..	..	3	..	16	11	Neuralgic Affections ..	..
..	..	3	..	..	..	..	..	..	..	..	1	30	44	Constitutional Syphilis	1
..	..	5	..	2	2	..	..	1	..	2	2	53	48	Phthisis	3
..	..	..	..	..	..	..	..	..	..	..	..	10	5	Insanity	..
2	1	8	1	3	..	1	7	2	10	6	3	124	95	Bronchitis, Influenza, and Catarrh.....	3
1	..	1	..	..	..	..	..	1	..	..	1	11	11	Pleurisy & Pneumonia.	2
..	..	17	..	..	..	1	..	..	..	2	4	61	81	Skin Disease.....	..
3	1	11	1	..	1	1	1	..	4	..	1	107	75	Dyspepsia	1
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Atrophy and Anæmia..	1
10	7	82	2	1	8	6	7	18	1	20	39	611	624	Accidents and diseases not classified.....	30
17	13	169	9	21	17	17	21	44	20	47	62	1627	1302	.... TOTAL	59

Typhus and 3 Febricula. *f* 2 Typhus and 1 Typhoid. *g* 2 Typhus and 1 Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
vn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	1	..	..	..	..	..	..	..	2	..	3	4
Whooping-cough	..	..	..	..	..	1	..	1	..	..	..	2	6
Scarlatina	1	1	..	..	1	..	..	..	..	..	..	3	7
Diarrhœa	14	5	2	6	5	6	4	..	4	3	1	50	68
Fever	3	..	*b*5	..	1	1	*e*3	..	*e*1	2	..	16	15
Diseases of the Lungs	7	6	5	1	..	7	3	1	3	12	5	50	44
Other causes	*a*13	8	13	*c*4	*d*8	7	*c*15	8	*f*3	17	*g*8	109	115
TOTAL NO. OF DEATHS.	38	21	25	11	15	22	25	10	16	36	14	233	260
TOTAL NO. OF BIRTHS.	24	40	16	15	16	28	21	12	29	49	18	268	298

a 4 Inquests. *b* Typhus. *c* 1 Inquest. *d* 3 English Cholera, also 2 Inquests. *e* 1 Typhoid. *f* 2 Inquests. *g* 1 Cholera, age 11 months, also 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
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44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
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66	101	36	203	Whooping-cough	49	29	13	91
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6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
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15	24	20	59	Pneumonia }				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

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Eccles	4·086	13
Royton	4·010	14
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	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·801	29·799	29·810	NO RETURN.	29·802	29·806	29·782
Highest } Unreduced	29·880	29·882	29·889		29·432	29·972	29·482
Lowest } Unreduced	29·426	29·432	29·413		28·980	29·522	29·012
Range	0·454	0·450	0·476		0·452	0·450	0·470
Temperature.							
Adopted Mean	54·9	56·1	54·4		54·0	56·1	....
Range for Week	17·9	27·5	25·6		28·3	29·9	26·1
Daily Range	8·8	14·3	12·2		14·9	13·6	12·6
Maximum in Shade	63·9	68·5	66·6		66·0	71·4	65·1
Minimum in Shade	46·2	41·0	41 0		37·7	41·5	39·0
Temperature of Dew Point	51·0	49·5	47·9		48·9	49·9	45·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·877	0·787	0·782		0·827	0·800	0·747
Prevailing Winds	.....	S,SW	W,NW		NW	W,NW	W,NW
Rain	.....	0·958	0·858		1·193	0·458	1·312
Ozonometer.							
Moffat	....	0·57	3·57		....	.....	.....
Shonbein	....	0·43	.....		5·20	4·86	.....

August 18, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, AUGUST 25, 1866. No. 317.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

During the week which terminated on Saturday, August 25th, no fewer than 1,719 new cases of disease and accidental injury came under treatment at the various Public Medical Institutions of Manchester and Salford.

This return marks a very unsatisfactory condition of the public health; it exceeds that for the corresponding week last year by nearly 400 cases, and it may be noticed that the number of cases has now been increasing for several weeks.

The excess this week is due mainly to the amount of disease which is not classified in the returns made to the Association, but it is also partly owing to an increase in the number of cases of Continued Fever—95 cases being reported this week (in the two preceding weeks the numbers were 56 and 68). No less than 44 of these cases are referred to as true Typhus, 10 being noted as having been removed to the Workhouse. This prevalence of Fever at the beginning of autumn is the more alarming, since it has been noticed that when this disease becomes epidemic at this season it generally increases until checked by the severe cold of winter.

Diarrhœa still remains very prevalent although there has been a slight diminution the last two weeks, the numbers having been 482, 447, and 423. The largest number of cases (137) again occurred in the St. Peter's Poor Law District.

No case of Cholera is recorded this week.

Measles and Scarlatina are again slightly on the increase.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The number of deaths still continues to diminish, notwithstanding the large amount of disease under treatment at public institutions. The total number of deaths registered in the eleven districts was 231; in the corresponding week last year 254 deaths were recorded.

The number of deaths from Diarrhœa is also steadily declining, showing that the virulence of the disease has greatly abated; the numbers for the last three weeks have been 67, 50, and 38. One death from Asiatic Cholera is returned from Deansgate, and 2 deaths from English Cholera are registered, 1 in Deansgate and 1 (an infant aged 21 days) in Chorlton.

Eighteen deaths from Fever are returned, showing a steady increase of this disease, the number of deaths in the two preceding weeks having been 15 and 16.

Scarlet Fever and Measles have also carried off a larger number of persons than in the previous week.

The mean temperature of the week at Greenwich was 61·2°, 0·5° above the average; at the Manchester Royal Infirmary it was 60·0°, and at Old Trafford 61·2°.

Ozone was noticed at two of the distant stations—Royton and Penketh.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	2	..	2	4	..	..	..	..	..	1	1	..
Scarlatina	..	..	..	..	2	1	3	..	..	..	1	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	137	36	34	20	1	41	269	..	..	16	..	..	..	8	23
Dysentery	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
Continued Fever	*a*2	*b*6	..	..	*c*4	*d*2	14	22	*e*14	..	*f*1	*g*3	*h*4	1	..
Erysipelas	..	..	..	..	..	..	..	1	..	2	..	1	..	..	..
Rheumatism	2	..	..	..	..	..	2	15	4	19	1	1	..	..	4
Neuralgic Affections	..	..	..	..	..	..	..	4	2	5	..	..	..	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	7	1	34	..	..	..	..	1
Phthisis	..	..	..	1	..	..	1	5	..	30	1	2	1	..	1
Insanity	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	1	..	2	4	8	19	..	13	2	3	1	4	15
Pleurisy and Pneumonia	..	..	..	..	..	..	..	1	3	..	..	1	..	..	3
Skin Diseases	1	..	..	..	..	..	1	8	..	13	1	..	..	..	14
Dyspepsia	..	..	..	..	..	..	..	16	..	17	1	..	1	6	10
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	8	5	10	5	3	7	38	13	47	247	3	5	11	46	9
TOTAL	151	47	45	28	12	59	342	114	71	396	11	16	19	67	82

a Removed to Workhouse. *b* Typhus removed to Workhouse. *c* 2 Removed to Workhouse.
h 3 Typhus and 1 Febricula. *i* Typhus. *j* 1 Typhoid removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THOMAS LEEDS, „ W. H. SUTCLIFFE, „ THEODORE FENNELL
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over this fact has several times been no

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 25th day of August, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
... 1,329				.... 477.....			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
... 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
ORLAW STRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	2	5	..	..	13	26	7	Measles	2
..	..	3	..	..	..	..	..	*k*4	3	..	..	14	7	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	1	..	..	..	..	..	..	..	..	..	2	13	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
24	5	30	4	*j*3	4	4	1	..	2	4	2	420	105	Diarrhœa	3
..	..	..	..	..	..	..	..	..	..	..	..	3	1	Dysentery	..
*f*2	*i*3	15	..	3	..	3	3	1	..	1	*l*2	95	75	Continued Fever	5
..	..	1	..	..	..	..	..	..	..	1	1	7	10	Erysipelas	..
1	1	12	..	..	2	1	..	2	..	2	..	68	53	Rheumatism	..
..	..	1	..	..	..	..	..	..	..	4	..	21	11	Neuralgic Affections ..	..
..	..	2	..	2	..	..	..	..	..	..	1	49	29	Constitutional Syphilis	..
..	1	6	..	..	..	..	..	1	..	3	..	52	48	Phthisis	6
..	1	..	..	..	..	..	..	..	..	..	..	5	17	Insanity	..
2	..	16	2	2	..	2	..	2	2	5	6	108	97	Bronchitis, Influenza, and Catarrh.....	4
..	..	..	..	..	..	..	..	..	..	..	1	9	5	Pleurisy & Pneumonia.	..
..	1	14	..	..	..	..	..	1	..	1	13	72	72	Skin Disease.....	..
1	..	12	1	..	4	1	..	..	..	3	3	79	80	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	..
13	8	90	2	4	9	5	16	42	3	31	40	688	679	Accidents and diseases not classified.....	31
43	20	203	9	14	19	16	22	59	10	55	82	1719	1310	.... TOTAL	53

1 Typhus removed to Workhouse. *e* 10 Typhus and 4 Typhoid. *f* Febricula. *g* 1 Typhus and 2 Febricula.
k All in one family, 2 proved fatal. *l* 1 Typhus and 1 Typhoid.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, J. WATSON,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	..	..	..	..	1	6	..	7	3
Whooping-cough	..	1	..	..	..	..	..	..	..	2	..	3	1
Scarlatina	3	..	..	..	2	..	..	..	1	1	..	7	5
Diarrhœa	6	6	1	1	4	9	2	1	1	7	..	38	67
Fever	1	3	*b*4	..	2	1	*d*3	..	*e*2	*e*2	..	18	19
Diseases of the Lungs	9	8	5	3	5	6	3	..	1	9	1	50	48
Other causes	9	*a*17	26	8	*c*6	5	4	8	*f*12	8	5	108	110
TOTAL NO. OF DEATHS.	28	35	36	12	19	21	12	9	18	35	6	231	254
TOTAL NO. OF BIRTHS.	55	39	10	14	15	24	22	21	37	60	18	315	279

a 4 Inquests. *b* 3 Typhus and 1 Typhoid. *c* 1 Asiatic and 1 English Cholera. *d* 2 Typhus and 1 Typhoid. *e* 1 Typhus. *f* 1 English Cholera, aged 21 days.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy }	40	49	47	136
15	24	20	59	Pneumonia }				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.	Inches.	Wet Days.
Old Trafford	4·309	13
Eccles	4·086	13
Royton	4·010	14
Wilmslow	3·217	14
Penketh	3·003	14

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackreth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·000	30·022	NO RETURN.	NO RETURN.	30·005	29·915	29·917
Highest } Unreduced	29·986	29·998			29·535	30·064	29·620
Lowest } Unreduced	29·678	29·688			29·228	29·762	29·286
Range	0·308	0·310			0·307	0·302	0·334
Temperature.							
Adopted Mean	60·0	61·2			58·7	60·2	58·4
Range for Week	19·8	27·5			26·5	28·9	24·5
Daily Range	14·7	17·2			17·6	19·9	14·8
Maximum in Shade	71·8	75·5			72·0	76·2	70·5
Minimum in Shade	52·0	48·0			45·5	47·3	46·0
Temperature of Dew Point	54·2	53·7			52·8	54·6	51·7
Hygrometrical condition of the Atmosphere.	GRS.	GRS.			GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·812	0·770			0·807	0·818	0·785
Prevailing Winds	.....	NE, E			NE, SE	SE	NE, SE
Rain	.....	0·192			0·110	0·384	0·108
Ozonometer.							
Moffat	....	0·00			....	.....	.....
Shonbein	....	0·00			2·20	1·140	.....

August 25, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, SEPTEMBER 1, 1866. No. 318.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

Disease in Manchester and Salford is terribly on the increase; in the week ending Saturday, September 1st, 2,097 new cases of disease and of accidental injury came under treatment at the various Public Institutions from which returns are received. In the corresponding week last year only 1,377 cases were recorded, and the numbers returned during the last five weeks have been 1,368, 1,552, 1,524, 1,627, and 1,719.

The excess is again due to Diarrhœa, which is very prevalent throughout the town, 831 cases being recorded, 715 more than in the corresponding week last year. More than one half (476) of these cases are returned from St. Peter's Poor Law District, in addition to 22 cases of English Cholera, which are reported with the unclassified diseases. Fortunately these cases, for the most part, have been mild; only 4 deaths from Diarrhœa are recorded, but one of these is marked as a case of Asiatic Cholera.

Continued Fever is still very prevalent, 70 cases being returned this week, and of these 21 are specially noted as true Typhus.

In other respects the return this week is not unsatisfactory.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Notwithstanding the large return of disease the weekly death-rate continues to diminish; the total number of deaths recorded in the eleven districts of the Association in the week ending September 1st was 201,—a month since the week's return of deaths was 318.

The deaths from Diarrhœa are rather larger in number than last week, the numbers being 38 and 41; but, amongst the deaths from unclassified cases, were two from Cholera, one in Ancoats and one in Deansgate.

The most unfavourable portion of the return is that for Fever. The deaths from this cause have now been steadily increasing for several weeks; in Market Street District 10 deaths from Fever are reported—8 from Typhus and 2 from Typhoid Fever.

Scarlet Fever carried off 7 persons.

The mean temperature of the week at Greenwich was 60·2°, 0·5° above the average of fifty years; at the Manchester Royal Infirmary it was 58·3°, at Old Trafford 58·5°, and at Eccles 57·7.

Ozone was noticed at Old Trafford, Eccles, Penketh, and Royton.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	..	..	..	..	5	5	..	..	..	..	..	..	..	..
Scarlatina	..	..	..	1	1	..	2	..	..	..	..	..	1	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	476	26	32	26	..	42	602	..	1	13	..	1	2	6	22
Dysentery	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Continued Fever	1	..	1	6	*a*5	5	18	10	*b*6	..	*c*2	..	*d*5	4	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Rheumatism	2	..	..	..	1	1	4	9	3	22	1	1	..	..	3
Neuralgic Affections	..	..	..	..	..	..	..	..	..	8	..	..	..	..	3
Constitutional Syphilis	..	..	..	..	..	1	1	12	..	10	..	1	..	..	..
Phthisis	1	1	..	1	..	..	3	5	..	21	2	3	..	1	2
Insanity	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	1	3	1	..	2	7	19	..	17	..	2	..	3	23
Pleurisy and Pneumonia	1	..	..	..	..	1	2	..	..	5	..	..	..	..	2
Skin Diseases	..	1	..	..	..	..	1	17	..	8	..	..	..	1	14
Dyspepsia	1	..	..	...	1	..	2	22	..	17	..	..	..	2	17
Atrophy and Anæmia	..	..	..	..	..	3	3	5	..	..	..	..	..	..	..
Accidents and diseases not classified	*f*43	4	7	8	3	16	81	19	29	293	2	4	7	43	20
TOTAL	525	33	43	43	12	76	732	122	40	414	7	13	15	62	108

a Gastric, 2 removed to Workhouse. *b* 3 Typhus, 2 Typhoid, and 1 Febricula. *c* 1 Typhus and 1 Febricula.

Medical Officers to whom the Associatio

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(2) „ J. BROADBENT,
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eek ending the 1st day of September, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	5	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	2	..	Chicken-pox	..
..	..	..	..	..	2	..	..	1	..	..	..	8	7	Measles	2
..	..	4	..	1	..	..	..	..	1	..	..	9	9	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	2	16	Whooping-cough	..
..	..	..	..	..	..	1	..	..	..	..	..	1	..	Croup	..
74	5	18	3	2	4	4	5	9	2	2	1	831	116	Diarrhœa	*g*4
..	..	..	..	..	..	..	..	..	..	..	..	3	2	Dysentery	..
1	..	8	1	4	3	1	..	2	..	*e*1	*e*3	70	77	Continued Fever	8
..	..	..	..	1	..	..	..	..	..	1	..	3	7	Erysipelas	..
..	1	9	..	..	..	..	2	..	..	2	4	61	59	Rheumatism	..
..	..	1	..	..	..	1	..	..	..	2	..	17	17	Neuralgic Affections ..	..
..	..	1	..	..	..	..	..	1	..	..	3	32	28	Constitutional Syphilis	..
1	2	7	..	1	..	..	..	..	..	1	..	49	52	Phthisis	3
..	1	..	..	..	..	..	..	..	1	..	..	6	10	Insanity	..
1	1	10	2	1	3	2	1	2	..	5	3	102	106	Bronchitis, Influenza, and Catarrh.....	4
..	..	2	..	1	..	..	..	1	..	..	1	14	8	Pleurisy & Pneumonia.	..
..	2	12	..	..	..	..	..	..	2	..	4	63	108	Skin Disease.....	..
1	..	15	..	..	1	..	1	..	..	1	1	85	69	Dyspepsia	..
..	..	..	..	..	..	..	2	1	..	..	..	11	..	Atrophy and Anæmia..	2
6	6	95	2	4	3	5	6	34	..	19	41	727	681	Accidents and diseases not classified.....	26
84	18	182	8	15	16	14	17	51	6	34	61	2097	1377	.... TOTAL	50

3 Typhus and 2 Febricula. *e* Typhus. *f* 22 English Cholera and 1 Cramps with vomiting. *g* 1 Asiatic Cholera.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	..	..	..	..	..	1	..	1	..
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	1	8
Scarlatina	2	..	..	..	..	..	2	..	2	..	1	7	4
Diarrhœa	3	9	7	1	4	5	2	1	1	5	3	41	46
Fever	3	2	*b*10	*c*1	..	*e*2	..	..	..	4	1	23	18
Diseases of the Lungs	12	3	5	3	1	6	4	..	6	5	..	45	38
Other causes	*a*13	12	..	3	*d*7	*f*3	*g*15	3	*h*9	16	2	83	133
TOTAL NO. OF DEATHS.	33	26	22	8	12	16	23	4	18	32	7	201	248
TOTAL NO. OF BIRTHS.	36	55	18	11	16	37	22	18	24	62	19	318	313

a 1 Cholera. *b* 8 Typhus and 2 Typhoid. *c* Typhus. *d* 1 Asiatic Cholera. *e* 1 Typhus and 1 Typhoid. *f* 1 Inquest. *g* 3 Inquests. *h* 1 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.

	Inches.	Wet Days.
Royton	5·593	23
Castleton Moor	5·479	22
Old Trafford	5·119	26
Eccles	4·543	26
Penketh	4·028	22

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·684	29·688	29·696	NO RETURN.	29·672	29·686	29·682
Highest (Unreduced)	29·900	29·903	29·885		29·434	29·960	29·538
Lowest (Unreduced)	29·370	29·368	29·349		28·882	29·456	28·966
Range	0·530	0·535	0·536		0·552	0·504	0·572
Temperature.							
Adopted Mean	58·3	58·5	57·7		56·7	57·7	55·8
Range for Week	20·0	29·6	27·6		28·5	31·0	26·1
Daily Range	12·6	15·9	....		14·1	15·6	13·2
Maximum in Shade	70·0	74·8	71·5		71·0	72·6	69·1
Minimum in Shade	50·0	45·2	43·9		42·5	41·6	43·0
Temperature of Dew Point	53·1	51·7	50·7		51·7	51·6	49·2
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·828	0·780	0·775		0·833	0·800	0·788
Prevailing Winds	.....	S, SE	NW, SW		.....	S, NW	SW, SE
Rain	.....	2·187	1·946		1·940	1·517	1·158
Ozonometer.							
Moffat	....	2·43	2·57		....	.....	.....
Shonbein	....	2·14	....		2·80	3·50	.....

September 1, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, SEPTEMBER 8, 1866. No. 319.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The state of the public health, as estimated by the disease returns, still continues highly unsatisfactory. In the week terminating on Saturday, the 8th inst., 2,084 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

The Diarrhœa return, though somewhat more favourable than in the preceding week, still continues extraordinarily high, no fewer than 718 seizures being recorded; in the corresponding week of last year there were only 91. Four hundred and nine, or upwards of half the total number of new cases, were observed in the St. Peter's Poor Law District; the disease, likewise, was very prevalent in the Greengate and Regent Road Districts, in each of which 68 cases were returned.

Another unsatisfactory feature in the present return is the increase under Continued Fever; under this column alone 109 new cases are recorded, of which 49 are referred to as examples of true Typhus.

Bronchitis and kindred affections of the chest are once again, with the advance of the season, gaining ground, the respective numbers for the three last weeks being 117, 116, and 150.

In other respects the present return is not unsatisfactory.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 235 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the numbers were 231 and 201.

Fifty deaths were attributed to Diarrhœa, 10 of which occurred in the Ancoats Poor Law District, and 12 in the St. George's.

In the Pendleton District one death was ascribed to Asiatic Cholera; the case proved fatal in twenty-four hours.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58·5°; at Old Trafford it was 56·1°, at the Infirmary 55·5°, and at Eccles 55·0°.

In the neighbourhood of Manchester upwards of two inches of rain were measured.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Scarlatina	..	3	2	..	2	..	7	..	..	..	..	..	2	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	409	15	34	15	..	22	495	..	1	14	..	..	2	11	10
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*3	*b*5	*c*5	4	*d*5	*e*6	28	34	*f*6	..	1	*g*3	*h*3	2	..
Erysipelas	..	..	..	..	..	1	1	2	..	2	..	..	..	..	..
Rheumatism	2	1	..	..	2	1	6	25	..	22	..	1	..	..	4
Neuralgic Affections	..	..	..	..	..	..	..	2	2	7	..	..	..	1	1
Constitutional Syphilis	..	..	..	..	..	..	..	16	..	14	1	..	..	..	1
Phthisis	..	..	..	..	..	..	..	10	1	23	2	2	..	1	2
Insanity	..	..	1	..	..	1	2	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	4	1	..	3	3	11	33	..	17	..	..	1	3	13
Pleurisy and Pneumonia	..	..	..	..	..	..	..	2	..	2	..	1	..	..	..
Skin Diseases	..	1	..	..	1	..	2	14	..	11	..	..	..	1	12
Dyspepsia	1	..	..	...	..	..	1	25	..	41	..	..	..	2	16
Atrophy and Anæmia	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
Accidents and diseases not classified	25	5	5	10	8	12	65	25	29	264	5	2	8	38	16
TOTAL	440	34	48	29	21	49	621	193	39	417	9	9	16	61	75

a 2 removed to Workhouse. *b* 4 Typhus, removed to Workhouse. *c* 2 Typhus. *d* Removed to Workhouse. *j* 1 Typhus.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ T.J. TATTERSALL,

(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) „ J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out- medical relief to the workhouse, and are then reported twice over this fact has several times been not

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 8th day of September, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	1	..	1	..	..	..	..	..	3	6	Measles	..
..	..	2	..	..	..	..	..	1	2	..	..	14	4	Scarlatina	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	1	..	..	..	3	23	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
68	7	12	2	2	3	3	2	7	..	2	4	718	91	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Dysentery	..
*i*1	2	12	..	*i*3	3	2	*i*2	1	..	*j*2	*g*1	109	89	Continued Fever	5
..	..	..	1	..	..	..	..	1	..	1	..	8	9	Erysipelas	..
2	1	8	..	..	..	1	4	1	1	3	2	84	66	Rheumatism	..
..	..	1	..	..	..	..	..	1	..	1	..	16	23	Neuralgic Affections ..	..
..	..	3	..	..	..	..	..	1	..	..	..	39	27	Constitutional Syphilis	..
1	..	6	..	..	..	2	..	2	..	3	3	58	63	Phthisis	5
..	..	..	..	1	..	..	..	..	..	..	..	8	14	Insanity	..
7	2	14	3	3	2	2	4	2	4	5	4	140	101	Bronchitis, Influenza, and Catarrh.....	2
..	..	3	..	..	..	..	..	1	..	1	..	10	5	Pleurisy & Pneumonia.	1
..	2	17	..	..	..	1	..	1	..	2	6	72	77	Skin Disease.....	..
3	..	12	..	..	..	..	1	3	5	4	4	120	97	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	4	..	Atrophy and Anæmia..	..
3	5	90	1	1	2	4	9	37	8	16	34	678	734	Accidents and diseases not classified.....	26
85	19	180	7	11	10	16	23	61	20	40	58	2084	1434	.... TOTAL	44

ever and 3 Febricula. *f* 2 Typhus and 4 Typhoid. *g* Typhus. *h* 2 Typhus, and 1 Febricula. i Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, —WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles	..	..	..	..	..	..	..	..	..	4	..	4	4
Whooping-cough	..	..	..	..	..	1	..	..	..	1	..	2	7
Scarlatina	..	3	..	..	1	..	1	..	..	1	1	7	10
Diarrhœa	10	12	1	2	1	8	4	2	2	7	1	50	50
Fever	3	2	*a*3	..	2	..	1	1	*e*2	..	1	15	13
Diseases of the Lungs	3	5	3	1	2	8	3	2	5	6	1	39	50
Other causes	12	18	13	13	7	*b*6	*c*12	*d*4	8	*f*18	*g*7	118	130
TOTAL NO. OF DEATHS.	28	40	20	16	13	23	21	9	17	37	11	235	267
TOTAL NO. OF BIRTHS.	44	34	18	12	6	31	29	3	32	60	12	281	317

a 1 Typhus and 2 Typhoid. *b* 1 Inquest. *c* 1 Cholera and 1 Inquest. *d* Asiatic Cholera 24 hours. *e* Typhus. *f* 4 Inquests. *g* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
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..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
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15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

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Penketh	4·028	22

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·517	29·541	29·556	NO RETURN.	29·536	29·526	29·541
Highest (Unreduced)	29·770	29·780	29·883		29·337	29·862	29·388
Lowest (Unreduced)	29·120	29·133	29·189		28·700	29·244	28·800
Range	0·650	0·647	0·694		0·637	0·618	0·588
Temperature.							
Adopted Mean	55·5	56·1	55 0		53·9	56·8	54·0
Range for Week	16·2	20·8	18·8		21·8	21·6	20·5
Daily Range	9·9	13·3	12·8		15·4	14·2	12·0
Maximum in Shade	64·3	67·8	65·7		63·4	69·6	64·0
Minimum in Shade	48·1	47·0	46·9		41·6	48·0	43·5
Temperature of Dew Point	51·3	51·8	51·5		49·5	51·6	48·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·857	0·858	0·883		0·853	0·826	0·820
Prevailing Winds	.....	SE, SW	SE, SW		SW	SW, NW	SW, SE
Rain	.....	2·312	2·162		2·081	2·235	2·018
Ozonometer.							
Moffat	....	0·00	1·71		....	.....	.....
Shonbein	....	0·00	....		1·80	2·40	.....

September 8, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, SEPTEMBER 15, 1866. No. 320.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The returns of new cases of disease from the various public medical institutions of the district for the week ending September 15th are more satisfactory than those for the two preceding weeks, the successive numbers being 2,097, 2,084, and 1,918.

The diminution is chiefly due to the gradual decline in the number of cases of Diarrhœa,—the number recorded last week was 598, and, although these figures still show great prevalence of the disease (the corresponding return last year being only 129), they are much smaller than those for the two preceding weeks—834 and 718. The deaths amongst these patients were also very few, only 6 in number, showing the present mild nature of the disease.

The number of attacks of Continued Fever (67) is also rather less than in the previous week, but 20 of these cases are still referred to under the head of Typhus, and 13 were removed to the Manchester Workhouse.

Scarlet Fever is again increasing in prevalence, 17 fresh cases of this disease being reported.

The number of new cases of Affections of the Lungs were rather greater than in the preceding week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The number of deaths registered in the several districts of Manchester and Salford was 242, showing an increase over the two preceding weeks, their respective numbers having been 201 and 235.

Only 37 deaths from Diarrhœa are recorded, 12 fewer than in the corresponding week last year.

Seven of the unclassified deaths, however, are referred to Cholera, 2 of them in Ancoats, 4 in Pendleton, and 1, a female aged forty-eight, in Ardwick. Great care is still needed to prevent the spread of this disease.

Fever carried off 20 persons last week (5 more than in the week preceding), and Scarlet Fever killed 8 others.

The mean temperature of the week at Greenwich was 56·7°, 0·7° below the average; at the Royal Infirmary it was 54·9°, at Old Trafford 54·9°, and at Eccles 53·7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..
Scarlatina	..	1	..	..	1	..	2	..	..	..	..	..	1	..	2
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	..	..	2	2
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	295	8	23	2	..	18	346	1	..	10	..	..	2	6	19
Dysentery	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Continued Fever	*a*3	1	2	2	3	*c*3	14	13	*d*5	..	..	*e*5	*f*5	2	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Rheumatism	..	..	..	..	..	..	..	14	2	17	1	1	2	2	1
Neuralgic Affections	..	..	1	..	..	..	1	3	1	3	..	..	..	1	4
Constitutional Syphilis	..	..	..	..	..	..	..	22	..	9	..	..	..	..	..
Phthisis	..	1	1	..	..	..	2	5	..	21	2	..	2	..	..
Insanity	..	..	1	..	..	..	1	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	2	2	2	..	10	27	..	19	..	..	..	3	29
Pleurisy and Pneumonia	1	..	..	..	..	..	1	2	..	3	..	..	..	..	..
Skin Diseases	..	..	..	..	..	..	..	12	..	12	..	..	..	4	16
Dyspepsia	..	1	..	...	1	..	2	17	1	20	..	..	..	2	15
Atrophy and Anæmia	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	*b*14	2	15	7	4	8	50	56	36	253	2	2	7	47	9
TOTAL	315	16	45	13	11	30	430	179	45	369	5	8	19	70	97

a Removed to Workhouse. *b* 1 English Cholera. *c* 2 Fever and 1 Febricula. *d* 2 Typhus and 3 Typhoid.
g 2 English Cholera *h* Febricula. *i* Typhus.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
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(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, T.J. TATTERSALL,

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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the o
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SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 15th day of September, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
RLAW STRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	1	..	..	2	..	..	..	5	5	Measles	..
..	..	3	..	4	1	..	..	2	2	..	..	17	4	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	1	1	..	..	..	..	..	7	31	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
64	7	10	*g*5	5	6	4	1	3	1	..	3	595	121	Diarrhœa	6
..	..	..	..	..	..	..	..	..	..	..	..	3	8	Dysentery	..
..	2	9	..	*h*2	2	4	*i*1	1	..	2	..	67	93	Continued Fever	2
1	..	..	..	..	..	..	..	..	..	..	1	3	7	Erysipelas	..
1	..	11	..	..	..	..	3	2	2	3	2	64	60	Rheumatism	..
..	..	..	..	..	..	..	..	..	..	..	..	15	7	Neuralgic Affections ..	..
..	..	2	..	..	..	..	1	..	..	..	2	38	36	Constitutional Syphilis	8
1	1	9	..	..	..	..	..	1	..	2	1	48	67	Phthisis	8
..	1	..	..	..	..	..	..	1	..	..	..	6	13	Insanity	..
1	2	13	2	4	4	6	4	3	4	7	4	146	119	Bronchitis, Influenza, and Catarrh.....	2
1	..	4	..	..	..	1	..	..	..	1	2	15	7	Pleurisy & Pneumonia.	1
..	1	15	..	1	..	1	1	1	..	1	15	84	81	Skin Disease.....	..
3	..	14	..	..	2	2	3	3	3	5	5	102	80	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	2	4	Atrophy and Anæmia..	1
6	11	87	3	5	..	6	1	43	1	27	37	701	699	Accidents and diseases not classified.....	22
78	25	177	10	21	17	25	15	63	13	48	72	1918	1445	.... TOTAL	50

e 2 Typhus, 1 removed to Fever Ward, also 1 Typhoid and 2 Febricula. *f* 2 Typhus and 3 Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
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(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, —WOODCOCK,

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	..	..	1	1	..	..	..	..	..	3	2
Whooping-cough	..	1	..	..	..	..	..	..	3	1	..	5	12
Scarlatina	1	..	..	1	..	..	4	..	1	..	1	8	10
Diarrhœa	7	7	..	1	7	2	4	..	..	9	..	37	49
Fever	1	2	*b*8	..	..	1	*e*1	3	2	1	1	20	18
Diseases of the Lungs	9	5	4	2	4	10	3	..	1	5	3	46	33
Other causes	*a*23	10	16	*c*10	7	*d*7	*d*12	*f*11	*g*7	13	*h*7	123	96
TOTAL No. OF DEATHS.	41	26	28	14	19	21	24	14	14	29	12	242	220
TOTAL No. OF BIRTHS.	61	33	12	14	11	20	29	24	31	66	23	324	320

a 2 Cholera, also 7 Inquests. *b* 6 Typhus and 2 Typhoid. *c* 4 Inquests. *d* 2 Inquests. *e* Typhoid. *f* 4 Cholera. *g* 1 Inquest. *h* 1 Cholera aged 48 years.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy }	40	49	47	136
15	24	20	59	Pneumonia }				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.	Inches.	Wet Days.
Royton	5·593	23
Castleton Moor	5·479	22
Old Trafford	5·119	26
Eccles	4·543	26
Penketh	4·028	22

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKRETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·570	29·567	29·577	NO RETURN.	29·563	NO RETURN.	29·549
Highest } Unreduced	29·850	29·845	29·829		29·337		29·450
Lowest } Unreduced	29·220	29·210	29·209		28·727		28·806
Range	0·630	0·635	0·620		0·610		0·644
Temperature.							
Adopted Mean	54·9	54·9	53·7		52·3		52·7
Range for Week	17·5	24·4	24·2		23·1		17·0
Daily Range	8·1	13·9	12·1		12·4		9·0
Maximum in Shade	63·5	68·0	67·1		65·5		64·0
Minimum in Shade	46·0	43·6	42·9		42·4		47·0
Temperature of Dew Point	49·0	46·7	48·2		48·1		46·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.		GRS.		GRS.
Degree of Humidity (Saturation—1,000)	0·807	0·737	0·812		0·855		0·792
Prevailing Winds	.....	S, SW, SE	W, SW		SW		SW
Rain	.....	1·727	1·945		2·600		2·891
Ozonometer.							
Moffat	....	3·43	5·00		....		.....
Shonbein	....	3·28	....		4·90		.....

September 15, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, SEPTEMBER 22, 1866. No. 321.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In some respects the present return of disease is more satisfactory than it has been for several weeks; the total number of new cases coming under treatment at charitable and other public medical institutions of the district during the week ending September 22nd was 1604; the numbers for the three preceding weeks were 2,097, 2,084, and 1,918.

The diminution is chiefly in the number of cases of Diarrhœa and Dysentery; only 278 cases of these diseases were recorded during the week, 88 of these were treated in St. Peter's Poor Law District, and 107 in the two Salford Poor Law Districts. The figures for these districts in the last return were 295, in St. Peter's, and 162 in Salford.

One case of Asiatic Cholera is reported by Mr. John Smith, in Hulme.

The most unfavourable portion of the present return is the large increase in the number of cases of Continued Fever. We have several times called attention to this disease, which bids fair to equal if not exceed in prevalence the epidemic of last year; 114 new cases of the various forms of fever came under treatment this week, and of these 35 were recorded as true Typhus and 8 as Typhoid. Dr. Ledward states that "Fever of an infectious character is steadily increasing in St. Michael's District;" 5 of the cases reported occurred among the children of one family. He says, "I found 2 in a small bed under the stairs that lead to the room above, and the rest lying on the floor. This room, about 10 feet square, is the only one on the gronnd floor, and is used for washing, cooking, &c."

The deaths (13) from Fever in the public practice alone are more numerous than those from any other disease. It is urgently necessary that the measures suggested last year by the Committee of this Association should be carried out in all the districts where the disease exists.

Bronchitis and other lung diseases are gradually becoming more frequent, the number of cases recorded during the last three weeks being 150, 161, and 181.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The deaths from all causes registered in the eleven districts which send returns to this Association were 252 in number, 10 more than occurred in the week preceding, but 13 less than in the corresponding return last year.

Only 36 of these deaths were from Diarrhœa, 2 of them being choleraic in character. One death from English Cholera occurred in Deansgate, and another from the same cause in Greengate District, after fifteen hours illness.

The number of deaths from Fever steadily increases; the returns for the three last weeks have been 15, 20, and 22; 8 of these 22 cases were registered in Market Street District, 6 of them as Typhus.

Scarlet Fever and Measles have also carried off a larger number of persons than in the two preceding weeks; and affections of the lungs are becoming more fatal.

The mean temperature of the week at the Royal Observatory, Greenwich, was 53·7°, 2·5° below the average of the corresponding week in the last fifty years; at the Royal Infirmary the men temperature was 51·8°, at Old Trafford 51·9°, at Eccles 51·7°, and at Wilmslow 51·3.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	
Scarlatina	..	2	1	..	1	..	4	..	..	..	..	..	2	..	1	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	88	1	3	4	..	..	96	..	..	7	3	..	1	12	14	
Dysentery	..	..	..	..	..	..	..	3	..	1	..	..	..	..	..	
Continued Fever	*a*5	6	1	..	*c*8	*d*11	31	21	*e*7	*f*4	1	*g*7	*h*5	7	..	
Erysipelas	..	..	..	..	1	..	1	1	1	..	..	..	..	..	..	
Rheumatism	1	..	..	1	..	..	2	15	2	6	..	1	2	1	2	
Neuralgic Affections	..	..	..	..	..	..	..	3	2	2	1	..	..	..	4	
Constitutional Syphilis	1	..	..	..	..	..	1	19	..	10	..	1	2	1	1	
Phthisis	1	4	1	1	..	..	7	4	..	13	..	3	1	..	3	
Insanity	..	*b*1	..	..	..	..	1	5	..	1	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	3	13	2	3	2	4	27	25	1	29	2	1	1	5	34	
Pleurisy and Pneumonia	..	..	..	..	..	..	..	..	1	1	..	1	2	..	1	
Skin Diseases	..	..	..	..	..	..	..	9	..	8	..	..	..	5	17	
Dyspepsia	..	3	..	...	..	..	3	23	..	12	..	..	..	1	14	
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	7	13	9	4	2	16	51	27	42	235	4	9	5	28	10	
TOTAL	106	43	17	13	14	33	226	155	56	329	11	23	21	62	103	1

a 2 Removed to Workhouse. *b* Removed to Workhouse. *c* 7 Removed to Workhouse. *d* 6 Fever and 5 Febricula.
i 3 Typhoid. *j* 1 Asiatic Cholera. *k* 5 Typhus and 2 Typhoid.

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LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	1	2	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	1	2	..	..	1	6	3	Measles	..
..	..	..	..	3	..	..	..	1	1	..	..	12	15	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	4	38	Whooping-cough	1
..	..	..	..	..	..	..	..	1	..	..	..	1	1	Croup	..
44	5	7	4	4	3	1	1	2	..	2	1	272	102	Diarrhœa	7
..	..	..	..	..	..	..	..	..	..	..	..	6	3	Dysentery	..
..	..	*i* 11	..	4	3	1	..	1	..	*k* 7	4	114	119	Continued Fever	13
..	..	1	..	..	..	..	..	1	1	..	..	6	7	Erysipelas	1
1	..	7	..	..	..	..	3	2	1	4	4	55	64	Rheumatism	..
..	..	..	..	..	..	..	..	1	..	3	..	17	8	Neuralgic Affections ..	..
..	..	2	..	..	..	..	..	1	..	..	3	43	29	Constitutional Syphilis	..
..	1	7	..	..	..	..	..	1	1	2	3	48	56	Phthisis	7
..	..	..	..	1	..	..	..	1	..	..	..	9	15	Insanity	..
5	3	12	2	1	2	..	6	1	1	6	5	172	136	Bronchitis, Influenza, and Catarrh.....	8
..	..	1	..	..	..	..	..	1	..	1	..	9	8	Pleurisy & Pneumonia.	2
..	..	22	..	1	..	2	..	1	..	4	25	97	62	Skin Disease.....	..
3	..	19	..	1	..	..	2	2	2	8	4	95	85	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	1	1	Atrophy and Anæmia..	..
11	5	92	3	*j* 3	2	1	6	32	3	23	39	636	674	Accidents and diseases not classified.....	22
64	14	182	9	18	10	5	19	52	10	60	89	1604	1429	.... TOTAL	62

yphus, 2 Typhoid and 1 Febricula. *f* Febricula. *g* 2 Typhus and 5 Febricula. *h* 3 Typhus, 1 Typhoid, and 1 Febricula.

ndebted for the annexed Returns.

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n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	1	..	..	..	..	..	..	..	..	1	1
Measles	3	..	..	..	..	..	1	1	..	4	..	9	2
Whooping-cough	..	1	1	..	..	..	1	..	..	1	..	4	8
Scarlatina	4	4	..	1	1	1	1	..	..	..	..	12	5
Diarrhœa	4	4	1	4	2	7	6	1	1	4	*g*2	36	49
Fever	2	..	*b*8	2	*c*1	..	*e*3	*c*1	2	*c*2	1	22	26
Diseases of the Lungs	11	5	8	5	3	8	3	..	4	7	4	58	39
Other causes	*a*12	16	16	7	3	*d*7	*f*9	11	9	16	4	110	135
TOTAL NO. OF DEATHS.	36	30	35	19	10	23	24	14	16	34	11	252	265
TOTAL NO. OF BIRTHS.	54	26	22	10	21	30	23	20	36	62	22	326	335

a 1 English Cholera. *b* 6 Typhus. *c* Typhoid. *d* 1 English Cholera 15 hours. *e* 2 Typhus. *f* 2 Inquests. *g* Choleraic.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.	Inches.	Wet Days.	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Macreth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Royton	5·593	23							
Castleton Moor	5·479	22							
Old Trafford	5·119	26							
Eccles	4·543	26							
Penketh	4·028	22							
Wilmslow	4·752	22							
Height of barometer cistern above sea level			130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29·600	29·603	29·605	29·565	29·588	29·586	29·572
Highest (Unreduced)			29·900	29·916	29·909	29·824	29·450	29·960	29·534
Lowest (Unreduced)			29·150	29·153	29·189	29·060	28·674	29·236	28·760
Range			0·750	0·763	0·720	0·764	0·776	0·724	0·774
Temperature.									
Adopted Mean			51·8	51·9	51·7	51·3	50·0	52·9	49·6
Range for Week			17·8	24·4	22·9	22·2	22·7	28·5	20·1
Daily Range			11·6	16·6	14·1	13·1	15·4	16·7	11·8
Maximum in Shade			62·7	64·4	62·9	62·2	62·0	65·0	60·3
Minimum in Shade			44·9	40·0	40·0	40·0	39·3	36·5	40·2
Temperature of Dew Point			47·5	43·3	44·7	45·6	44·4	45·3	42·6
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0·854	0·745	0·770	0·809	0·811	0·750	0·764
Prevailing Winds			.....	S, SE	SW	S, SW	SW	SW	SW
Rain			.....	1·005	1·101	0·903	1·600	0·760	1·743
Ozonometer.									
Moffat			....	1·57	1·71	.....	....	....	.....
Schonbein			....	1·14	....	6·00	3·80	....	.....

September 22, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, SEPTEMBER 29, 1866. No. 322.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The total number of new cases of disease coming under treatment at the several public medical institutions of Manchester and Salford continues to diminish; the last three weeks the numbers recorded have been 2,084, 1,918, and 1,604. In the week ending September 29th, the number was 1,487.

Diarrhœa and Dysentery are much less frequently brought under the notice of medical men than they have been for some weeks past, a result perhaps partly due to the smaller amount of fear on the subject of Cholera.

Five cases of Cholera are, however, reported; 3 of them from St. George's Poor Law District, from which part of the town 1 case was returned in the preceding week; 1 of these died in five hours after he was seen, the other 2 were removed to hospital and died the next day. Mr. John Smith remarks that "these cases occurred in a house in Queen-street, the back of which formed one of the boundaries of the notorious Barrack-court, where Typhus so much prevailed last year."

Two cases of Asiatic Cholera are also returned by Mr. Joseph Foster, from the Chorlton Poor Law District; and 1 of Choleraic Diarrhœa from amongst the in-patients of the Infirmary.

Fever still remains very prevalent; 112 new cases are recorded this week, about 40 of which were true Typhus. Nine of them occurred in St. Michael's Poor Law District; 6 of these, being Typhus, were removed to the Workhouse. Mr. Meacham points out that 3 of these cases originated in one house, and 4 in another, from which, a few days previously, the mother had been removed to the hospital, where she had died. In this last house not a particle of bedding was to be found, and yet the earnings of the family amounted to £1 15s. per week. Both families were utterly given up to intemperance.

Measles continues to increase slightly in prevalence, and 12 new cases of Scarlet Fever are again returned this week.

Bronchitis and other affections of the Lungs are less frequent than in the preceding week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The number of deaths from all causes registered this week in the eleven districts of the Sanitary Association was 238; and, in the same period, 339 births were recorded.

Thirty-one of these deaths were caused by Diarrhœa, and 13 from Cholera.

Two deaths from Asiatic Cholera were registered in Chorlton and 1 Greengate Districts. Mr. Rowley mentions that "two cases of Asiatic Cholera were removed from Hulme to the temporary hospital in Ormond Street, where they proved fatal in a few hours; both were children, aged respectively six years, and twenty months."

Fever again carried off a large number of persons; the numbers for the last four weeks have been 15, 20, 22, and 23. This disease seems now to prevail in nearly all the districts of Manchester and Salford.

The mean temperature of the week at the Royal Observatory, Greenwich, was 55·5°, 0·9° above the average; at the Manchester Royal Infirmary it was 53·2°, at Old Trafford 52·7°, and at Eccles 52·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	..... Manchester Township 1,645															
Population in 1861	..... ,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	1
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	.
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	2	..	.
Scarlatina	..	..	1	..	2	..	3	..	..	..	..	1	2	..	..	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa.....	6	1	2	..	1	2	12	2	*d*1	5	1	2	..	11	17	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.
Continued Fever.....	*a*4	4	7	3	*b*3	*c*9	30	29	*e*4	..	*f*3	1	*g*5	5	..	.
Erysipelas	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	.
Rheumatism	1	..	1	..	..	1	3	24	1	23	2	1	..	1	2	.
Neuralgic Affections.....	..	..	1	..	..	..	1	3	2	4	..	..	..	..	4	
Constitutional Syphilis	..	..	..	..	..	..	..	15	1	18	..	..	..	..	1	
Phthisis	..	..	1	..	..	..	1	7	..	20	..	3	2	..	2	.
Insanity	2	..	1	..	..	..	3	6	..	..	..	..	..	..	..	.
Bronchitis, Influenza & Catarrh	3	6	1	1	..	3	14	42	..	17	1	3	1	5	25	.
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	..	1	2	1	1	2	..	1	..
Skin Diseases.....	2	1	..	..	..	..	3	10	..	7	..	..	..	1	13	1
Dyspepsia	..	..	..	....	..	1	1	26	1	19	..	1	1	1	15	3
Atrophy and Anæmia.	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	7	2	20	9	1	11	50	20	30	256	6	9	5	43	20	3
TOTAL	26	14	35	13	7	29	124	186	42	372	14	22	18	71	100	14

a 1 Typhus removed to Workhouse. *b* 2 Removed to Workhouse. *c* 6 Typhus removed to Workhouse, also 3 Febricula.
h 6 Typhus and 1 Febricula. *i* 1 Typhus, 2 Typhoid and 1 Febricula. *j* 3 Asiatic Cholera.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, W.J. TATTERSALL,
(13) Mr. H. RUNCOR
(14) Dr. WHITEHEA
(15) ,, J OGDEN FI
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-d
medical relief to the workhouse, and are then reported twice over this fact has several times been noti

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 29th day of September, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	2	..	1	2	..	..	1	9	3	Measles	..
..	..	1	..	..	1	..	..	1	1	2	..	12	8	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	1	47	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
34	..	6	3	2	5	..	*k*7	2	..	2	3	156	79	Diarrhœa	3
..	..	..	..	..	..	..	1	..	..	..	..	3	5	Dysentery	..
1	*h*7	11	..	*i*4	..	2	*l*2	1	1	1	2	112	87	Continued Fever	8
1	..	..	..	1	..	..	..	1	..	..	..	6	3	Erysipelas	..
2	..	14	..	..	..	..	1	1	..	3	5	84	64	Rheumatism	..
..	..	..	..	..	..	..	..	1	1	..	..	18	12	Neuralgic Affections ..	..
..	..	1	..	..	..	..	..	1	..	1	4	44	44	Constitutional Syphilis	..
..	3	3	..	..	..	1	..	1	1	2	3	49	62	Phthisis	5
..	2	..	..	..	..	..	..	1	..	..	..	12	2	Insanity	..
2	2	14	2	1	3	2	3	2	..	5	4	150	153	Bronchitis, Influenza, and Catarrh.....	6
1	..	1	..	..	..	..	..	1	..	..	..	12	13	Pleurisy & Pneumonia.	2
..	1	10	..	..	..	..	..	1	..	1	21	69	74	Skin Disease.....	..
3	1	12	..	..	1	..	1	2	3	2	4	97	67	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	3	..	Atrophy and Anæmia..	..
8	6	84	2	*j*3	6	9	1	26	1	25	31	649	724	Accidents and diseases not classified.....	29
52	22	157	7	11	18	14	18	45	8	44	78	1487	1449	.... TOTAL	53

leraic. *e* 2 Typhus and 2 Typhoid. *f* 1 Typhus, 1 Typhoid, and 1 Febricula. *g* 2 Typhus, 1 Typhoid, and 1 Febricula.
k 2 Asiatic Cholera. *l* 1 Typhoid and 1 Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, —WOODCOCK,

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awn from the weekly returns.

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Small Pox	1	..	..	..	..	..	..	..	..	..	..	1	..
Measles	1	..	..	..	..	..	..	..	..	3	..	4	2
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	6
Scarlatina	2	..	..	..	..	..	..	..	..	..	1	3	3
Diarrhœa	4	4	2	1	4	8	4	2	..	..	2	31	44
Fever	5	2	*c*5	3	1	*c*2	*c*1	2	..	*j*2	..	23	20
Diseases of the Lungs	9	7	8	2	2	6	2	2	3	8	2	51	55
Other causes	*a*24	*b*14	*d*15	*d*6	*e*9	*f*12	*g*12	*h*7	*i* 7	*k*12	7	125	146
TOTAL NO. OF DEATHS.	46	27	30	12	16	28	19	13	10	25	12	238	276
TOTAL NO. OF BIRTHS.	34	30	18	23	12	35	53	24	24	69	17	339	316

a 1 Cholera, also 2 Inquests. *b* 4 Inquests. *c* Typhus. *d* 1 Cholera. *e* 1 English Cholera. *f* 2 English, and 1 Asiatic Cholera, also 1 Inquest. *g* 1 Cholera 30 hours, also 3 Inquests. *h* 2 Cholera also 1 Inquest. *i* 1 English and 2 Asiatic Cholera also 1 Inquest *j* 1 Typhoid. *k* 1 Cholera.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
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..	..	..	..	Puerperal Fever	..	..	..	..
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Penketh	4·028	22
Wilmslow	4·752	22

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	NO RETURN.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.		INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·812	29·806	29·830		29·816	29·791	29·824
Highest (Unreduced)	29·954	29·966	29·968		29·482	30·042	29·606
Lowest (Unreduced)	29·300	29·316	29·317		28·864	29·402	28·934
Range	0·654	0·650	0·651		0·618	0·640	0·672
Temperature.							
Adopted Mean	53·2	52·7	52·6		51·2	52·5	50·5
Range for Week	17·6	23·2	24·6		27·2	28·7	23·3
Daily Range	10·4	18·3	14·0		14·8	15·5	13·9
Maximum in Shade	61·8	63·0	63·6		64·2	65·9	60·3
Minimum in Shade	44·2	39·8	39·0		37·0	37·2	37·0
Temperature of Dew Point	49·4	44·5	47·8		47·3	48·1	46·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·870	0·741	0·838		0·866	0·848	0·860
Prevailing Winds	.....	SE	SW		S, SW	SE, SW	S, SW
Rain	.....	1·320	1·290		1·160	1·188	1·208
Ozonometer.							
Moffat	....	0·00	0·28		....	....	.....
Schonbein	....	0·00	....		2·00	1·90	.....

September 29, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, OCTOBER 6, 1866. No. 323.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The public health continues to be in a more satisfactory state than it has been for some weeks past.

The total number of new cases of disease coming under treatment at the public medical institutions of Manchester and Salford, in the week ending Satnrday, October 6th, was 1483—showing again a small decrease from the number (1487) last week.

Diarrhœa and Dysentery continue to diminish in prevalence, and it is satisfactory to observe that not a single case of either Cholera or Choleraic-diarrhœa came under the notice of any of the medical officers to the institutions from which returns are furnished.

Continued Fever is still exceedingly prevalent—110 cases are reported this week, and about 40 of them are cases of true Typhus. It is also apparently more fatal—the proportion of deaths to cases this week is about 1 to 8, last week it was 1 in 14. The most active measures are needed to stay the course of this terrible epidemic.

Scarlet Fever and Measles are still prevalent; and 4 cases of Small-Pox are returned this week.

Bronchitis and other Affections of the Lungs are rapidly becoming more common—probably in consequence of the falling temperature.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The total number of deaths registered this week in the eleven districts of this Association was 228—the last two week's the numbers have been 252 and 238.

Twenty-six deaths from Diarrhœa are reported, and only 1 from English Cholera in Deansgate—not one death from Asiatic Cholera.

The Zymotic diseases have carried off a large proportion of persons. 19 deaths from Fever are returned, and 18 from Scarlet Fever. Both these diseases are increasing in prevalence and in fatality. 4 deaths from Measles are also recorded.

The mean temperature of the week at the Royal Observatory, Greenwich, was 57·9°, 4·3° higher than the average of the last 50 years; at the Royal Infirmary the mean temperature of the week was 56·9°, at Old Trafford 56·0°, and at Eccles 55·5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	*b*1	..	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	2	2	..	..	..	..	..	..	2	..
Scarlatina	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	1	..	..	..	1	..	..	..	..	..	..	4	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	8	1	..	..	..	6	15	..	..	10	1	..	..	7	8
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*3	*c*2	7	6	3	*d*8	29	22	*e*6	1	*f*2	*g*5	*h*3	3	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Rheumatism	2	..	1	2	..	1	6	1	3	14	1	1	..	..	2
Neuralgic Affections	..	..	..	..	..	..	..	....	1	3	..	..	..	1	1
Constitutional Syphilis	..	..	..	..	..	..	..	12	1	13	..	..	..	..	..
Phthisis	..	1	..	2	..	2	5	8	..	17	..	1	4	3	..
Insanity	..	..	1	..	..	..	1	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	6	6	..	4	1	6	23	42	..	32	2	5	5	7	42
Pleurisy and Pneumonia	..	1	..	..	..	..	1	..	..	2	..	..	..	1	..
Skin Diseases	..	..	..	..	..	..	..	6	..	11	..	..	..	5	15
Dyspepsia	1	1	..	3	1	..	6	..	..	20	..	..	..	4	16
Atrophy and Anæmia	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
Accidents and diseases not classified	15	5	15	4	2	11	52	24	47	246	3	4	9	36	20
TOTAL	35	18	25	22	7	38	145	118	58	369	10	16	22	73	105

a 1 Typhus, 2 removed to Workhouse. *b* Not Vaccinated. *c* Febricula. *e* 3 Typhus and 3 Typhoid.
g 2 Typhoid and 3 Febricula. *h* Typhus. *i* 3 removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,
(13) Mr. H. RUNCO
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(15) „ J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out medical relief to the workhouse, and are then reported twice over this fact has several times been n

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Veek ending the 6th day of October, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
ORLAW ISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
[illegible]	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
6	17	18	19	20	21	22	23	24	25	26	27	28				
.	..	..	1	..	..	..	..	..	..	..	2	..	4	5	Small-pox	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
.	..	..	..	..	..	..	..	..	2	..	..	..	6	5	Measles	..
.	..	..	..	..	1	..	..	..	..	..	1	..	5	12	Scarlatina	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
.	..	1	..	..	..	..	..	..	1	..	..	..	8	42	Whooping-cough	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
5	26	..	4	5	2	3	*j* 1	3	2	1	4	1	142	87	Diarrhœa	4
.	..	..	2	..	..	..	..	..	..	..	..	..	2	4	Dysentery	..
4	*f*2	5	11	..	1	..	4	*c*2	..	2	*h*5	2	110	131	Continued Fever	13
.	..	..	..	..	1	..	..	..	..	..	..	1	3	5	Erysipelas	..
1	..	1	12	..	..	3	3	..	2	1	2	2	55	73	Rheumatism	..
.	..	..	2	..	..	..	..	..	..	..	1	..	9	19	Neuralgic Affections ..	..
.	..	..	3	..	..	..	..	..	1	1	1	2	35	47	Constitutional Syphilis	..
.	2	..	6	..	2	..	..	1	..	1	4	1	55	73	Phthisis	7
1	..	2	..	..	..	..	..	..	..	..	..	..	6	8	Insanity	..
1	3	..	14	2	2	3	..	1	6	2	6	3	203	150	Bronchitis, Influenza, and Catarrh.....	5
.	1	1	1	..	..	..	..	..	..	..	2	..	9	12	Pleurisy & Pneumonia.	..
1	..	2	15	..	..	..	..	..	1	1	3	12	75	87	Skin Disease.....	..
.	1	..	10	..	..	..	..	3	..	1	4	1	68	67	Dyspepsia	..
	..	..	..	..	..	..	..	..	1	..	..	..	3	2	Atrophy and Anæmia..	..
3	4	6	94	1	4	3	6	7	45	3	30	36	685	750	Accidents and diseases not classified.....	24
5	39	18	175	8	13	12	14	17	61	13	65	61	1483	1579	.... TOTAL	53

Typhus and 4 Febricula, the 4 Typhus and 1 Febricula removed to Workhouse. *f* 1 Typhus and 1 Febricula.
j Removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, —WOODCOCK,

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	1	..	..	..	..	..	..	..	..	1	1
Measles	..	..	..	..	..	2	..	..	1	1	..	4	2
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	13
Scarlatina	3	4	1	1	2	1	..	..	2	4	..	18	2
Diarrhœa	4	5	..	1	1	4	2	1	..	8	..	26	56
Fever	1	4	*a*7	*b*2	..	..	*b*2	2	*f*1	..	..	19	14
Diseases of the Lungs	6	7	8	..	3	8	3	2	4	7	6	54	52
Other causes	6	11	10	*c*5	*d*9	6	*e*12	8	10	22	*c*7	106	108
TOTAL NO. OF DEATHS.	20	31	27	9	15	21	19	13	18	42	13	228	248
TOTAL NO. OF BIRTHS.	45	33	12	21	16	39	21	10	25	44	22	288	311

a 6 Typhus and 1 Typhoid. *b* 1 Typhus and 1 Typhoid. *c* 1 Inquest. *d* 1 English Cholera. *e* 3 Inquests. *f* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	8·369	28
Castleton Moor	7·850	24
Eccles	7·259	28
Old Trafford	7·128	28
Penketh	5·795	26
Wilmslow	....	..

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	INS. 118 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.		INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·227	30·219	30·233	30·188	30·230	30·213	30·226
Highest (Unreduced)	30·484	30·484	30·499	30·376	30·002	30·578	30·120
Lowest (Unreduced)	30·024	30·012	30·011	29·916	29·552	30·106	29·650
Range	0·460	0·472	0·488	0·460	0·450	0·472	0·470
Temperature.							
Adopted Mean	56·9	56·0	55 5	54·5	55·2	56·9	54·5
Range for Week	14·3	23·8	20·9	31·7	21·7	19·4	16·0
Daily Range	9·4	15·0	11·8	14·5	10·2	11·3	7·8
Maximum in Shade	64·9	66·0	66·7	66·8	66·3	67·9	63·0
Minimum in Shade	50·6	42·2	45·8	35·1	44·6	48·5	47·0
Temperature of Dew Point	52·5	50·6	51·2	51·1	50·1	52·3	49·1
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·854	0·822	0·855	0·882	0·830	0·849	0·821
Prevailing Winds	.....	S,NE	E,NE	SE	NE	NE	NE
Rain	.....	0·014	0·003	0·000	0·013	0·024	0·000
Ozonometer.							
Moffat	....	0·00	0·28	....	....	....	.... ..
Schonbein	....	0·00	....	0·71	0·13	0·00	.. ....

October 6, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, OCTOBER 13, 1866. No. 324.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 13th instant, 1,584 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,487 and 1,483.

Under Diarrhœa and Dysentery it is satisfactory to observe a decided improvement; in the last week in September no fewer than 159 new cases were reported, in the following week the number fell to 144, while in that just ended it did not exceed 120.

Continued Fever, another disease which for some time has proved lamentably fatal, is still very general in many of the more densely populated quarters of the town; during the last three weeks the number of new cases have varied but little—the respective returns being 112, 110, and 110. Twenty-eight of the sufferers were admitted into the Manchester Workhouse, 8 into the Chorlton Workhouse, and 7 into the Royal Infirmary.

With the advance of the season Bronchitis and kindred affections of the chest are rapidly gaining ground; a fortnight ago there were only 162, last week 247.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 219 deaths were registered in the eleven districts of the Sanitary Association, a decided improvement on the returns of the two preceding weeks.

Diarrhœa proved fatal to 23 persons; 14 of these deaths were registered in the Deansgate and Hulme Districts, and 3 in the Greengate District, Salford.

Fever, under its various forms, still continues to swell the returns of mortality. In the course of last week 21 persons fell victims to its ravages.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 131.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52·4°; at the Royal Infirmary it was 49·3°, and at Old Trafford 46·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	1	..	..	1	..	2	4	1	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Scarlatina	..	..	..	..	..	1	1	..	..	..	..	2	2	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	8	1	1	1	..	1	12	..	..	2	1	..	1	14	8
Dysentery	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Continued Fever	*a*3	1	3	..	*b*4	*c*7	18	28	*d*7	3	*e*3	*f*3	*g*3	3	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Rheumatism	2	1	..	..	..	1	4	16	2	8	..	2	2	..	8
Neuralgic Affections	..	..	..	..	..	..	..	5	..	1	1	..	..	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	10	..	11	..	..	1	1	1
Phthisis	..	..	..	..	1	..	1	7	..	10	..	2	3	..	1
Insanity	..	1	1	..	..	..	2	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	6	8	4	3	3	16	40	30	2	36	1	1	4	11	23
Pleurisy and Pneumonia	..	..	..	..	..	..	..	4	..	1	1	..	..	..	2
Skin Diseases	..	..	..	..	1	..	1	12	..	4	..	..	..	3	20
Dyspepsia	1	..	..	..	..	..	1	15	..	15	..	..	..	2	20
Atrophy and Anæmia	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	15	3	14	6	4	14	56	11	46	263	3	4	9	55	13
TOTAL	35	16	23	10	14	41	139	148	58	355	10	15	25	91	101

a 1 Typhus, 2 removed to Workhouse. *b* 3 Removed to Workhouse. *c* All Typhus, 6 removed to Workhouse.
g 2 Typhus, 1 removed to Workhouse. *h* 2 Typhus and 1 Typhoid, all removed to Workhouse. *i* Cholera.

Medical Officers to whom the Associat

(1) Mr. R. M. MANN.
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SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Veek ending the 13th day of October, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
oorLaw District		Public Institutions.			Poor Law Districts											
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	7	3	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	..	2	2	..	..	1	7	14	Measles	..
..	..	..	..	..	..	..	..	..	..	2	..	..	8	13	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	1	..	..	..	..	..	..	1	..	1	..	4	28	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
19	31	*i* 1	6	3	5	2	..	3	3	..	2	..	116	81	Diarrhœa	..
1	1	..	..	..	..	..	..	..	..	..	..	..	4	6	Dysentery	..
..	*h* 3	*j* 4	13	..	2	3	3	..	..	1	*k* 3	*l* 8	110	134	Continued Fever	5
..	..	..	..	..	..	..	1	..	..	..	..	..	3	9	Erysipelas	..
..	2	1	12	..	..	..	..	1	1	..	3	2	65	51	Rheumatism	..
..	1	..	2	..	..	..	..	..	1	..	..	1	15	18	Neuralgic Affections ..	..
..	..	..	2	..	..	..	..	..	..	..	1	3	33	32	Constitutional Syphilis	1
..	..	1	4	..	3	..	1	1	1	1	2	3	41	67	Phthisis	7
1	..	2	..	..	..	..	..	..	..	..	..	..	10	5	Insanity	..
3	6	1	31	2	5	6	3	4	6	3	9	4	233	192	Bronchitis, Influenza, and Catarrh.....	3
..	1	..	3	..	..	..	..	..	1	..	1	..	14	12	Pleurisy & Pneumonia.	..
1	..	..	32	..	..	..	..	1	1	..	1	10	89	71	Skin Disease.....	..
1	2	..	26	1	..	..	..	2	4	5	6	..	104	77	Dyspepsia	..
..	..	..	..	..	..	..	..	..	1	..	..	1	3	..	Atrophy and Anæmia..	..
12	11	9	96	3	3	5	3	5	42	2	36	31	718	798	Accidents and diseases not classified.....	32
38	58	20	227	9	18	16	11	19	64	14	65	64	1584	1611	.... TOTAL	49

d 1 Typhus, 5 Typhoid, and 1 Febricula *e* Typhus. *f* 1 Typhus, 1 Typhoid, and 1 Febricula.
j 3 Typhus and 1 Febricula. *k* 2 Typhus and 1 Typhoid, 1 removed to Workhouse. *l* 4 Typhus.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, —WOODCOCK,

in the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles	1	..	..	..	..	1	..	..	1	..	..	3	5
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	1	15
Scarlatina	2	..	1	..	..	1	1	..	..	..	1	6	7
Diarrhœa	2	1	2	..	7	*d*3	..	1	..	7	..	23	37
Fever	5	1	*b*8	*c*1	..	..	*f*2	2	*c*1	..	1	21	34
Diseases of the Lungs	12	10	2	3	4	10	5	2	3	5	2	58	47
Other causes	7	*a*10	12	11	10	*e*8	*g*14	*h*10	9	9	*e*7	107	127
TOTAL NO. OF DEATHS.	29	22	25	15	21	23	22	15	14	22	11	219	275
TOTAL NO. OF BIRTHS.	42	40	11	25	20	32	27	39	35	62	24	357	283

a 1 English Cholera. *b* 7 Typhus and 1 Typhoid. *c* Typhus. *d* 1 Choleraic. *e* 1 Inquest. *f* 1 Typhus and 1 Typhoid. *g* 1 Cholera, 17 hours, also 3 Inquests. *h* 2 Cholera.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL.	DISEASE.	4 Weeks ending 26th May.	5 Weeks ending 30th June.	4 Weeks ending 28th July.	TOTAL
9	22	8	39	Small-pox	7	10	2	19
2	6	12	20	Chicken-pox	..	2	3	5
44	66	33	143	Measles	11	18	25	54
19	31	37	87	Scarlatina	26	36	20	82
1	3	3	7	Diphtheria	..	2	1	3
66	101	36	203	Whooping-cough	49	29	13	91
..	3	1	4	Croup	1	4	3	8
292	595	1726	2613	Diarrhœa	103	266	515	884
6	3	3	12	Dysentery	9	17	30	56
..	..	2	2	Cholera	..	..	..	..
9	21	10	40	Erysipelas	20	34	21	75
..	..	..	..	Puerperal Fever	..	..	..	..
11	28	14	53	Insanity	54	60	45	159
781	697	446	1924	Bronchitis and Catarrh	628	626	440	1694
19	11	5	35	Pleurisy	40	49	47	136
15	24	20	59	Pneumonia				
5	4	4	13	Carbuncle	..	..	..	..
3266	4636	3793	11695	Accidents, and all other Diseases.	3897	5060	4104	13061
4545	6251	6153	16949	TOTAL	4845	6213	5269	16327

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	8·369	28
Castleton Moor	7·850	24
Eccles	7·259	28
Old Trafford	7·128	28
Penketh	5·795	26
Wilmslow	....	..

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	118 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.			INS.		INS.
Mean @ 32° F., and reduced to sea level	30·254	30·213			30·220		30·224
Highest (Unreduced)	30·480	30·434			30·002		30·100
Lowest (Unreduced)	29·852	29·894			29·359		29·462
Range	0·628	0·630			0·643		0·638
Temperature.							
Adopted Mean	49·3	46·6	NO RETURN.	NO RETURN.	47·9	NO RETURN.	47·8
Range for Week	19·6	26·7			26·5		21·8
Daily Range	13·2	18·0			12·5		11·5
Maximum in Shade	62·6	61·7			60·0		58·5
Minimum in Shade	43·0	35·0			33·5		37·0
Temperature of Dew Point	44·5	42·1			43·7		43·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.			GRS.		GRS.
Degree of Humidity (Saturation—1,000)	0·385	0·853			0·853		0·832
Prevailing Winds	.....	W, NE			E, NE		E, NE
Rain	.....	0·442			0·432		....
Ozonometer.							
Moffat	....	0·00			....		....
Schonbein	....	0·00			....		....

October 13, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, OCTOBER 20, 1866. No. 325.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 20th instant, 1,537 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,483 and 1,584; and in the corresponding week of last year 1,448. The deaths among persons of the poorer class amount to 52, being in the proportion of 1 death to every 29 cases.

In the present return a decided and very satisfactory decrease is observable under Diarrhœa and Dysentery. In the week ending October 6th, 144 new cases were entered under this column, last week only 89.

Under Continued Fever likewise, another disease which for a considerable time has assumed a most formidable degree of intensity, there is a considerable improvement, 83 instead of 110 new cases being returned. Of this number 40 are specially referred to as examples of true Typhus; 15 being admitted into the Manchester Workhouse and 4 into the Royal Infirmary.

Bronchitis and kindred affections of the chest are steadily, though not very rapidly gaining ground. In our preceding return 247 new cases were reported, in the present 253.

Of 41 cases of Scarlet Fever, 10 were admitted into the Salford Workhouse.

No other disease occurred to any unusual extent, and the return as a whole may be looked upon as satisfactory.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 243 deaths were registered in the eleven districts of the Sanitary Association, a considerable rise in the returns of the two preceding weeks.

No fewer than 31 deaths are attributed to Continued Fever, or 10 more than in the previous week.

The death returns from diseases connected with the Respiratory Organs were high, 68 instead of 58 fatal cases being registered under this colnmn.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 237. Cholera there proved fatal to 144 persons, and Diarrhœa to 55.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 49·6°; at the Royal Infirmary it was 47·5°, at Old Trafford 47·5°; and at Eccles 48·9°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	..... Manchester Township 1,645															
Population in 1861	..... ,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	c1	..	..	..	..	1	..	1	..	..	..	1	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	1	2	3	..	..	..	..	..	..	3	..	
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa.....	a1	4	1	1	..	..	7	..	..	..	..	..	1	12	15	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever.....	b3	...	3	d4	..	e4	14	15	f7	..	g2	h3	i1	2	..	
Erysipelas	..	..	..	..	..	..	..	1	..	3	1	..	..	..	..	
Rheumatism	1	1	..	1	..	..	3	15	2	19	..	..	..	..	2	
Neuralgic Affections	..	..	..	..	..	..	..	..	1	8	..	..	1	2	2	
Constitutional Syphilis	..	..	..	1	..	1	2	12	..	20	..	..	1	..	2	
Phthisis	2	1	..	1	..	..	4	7	..	21	4	2	3	..	..	
Insanity	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	4	7	3	3	5	4	26	34	..	30	2	5	4	15	31	
Pleurisy and Pneumonia....	..	1	..	..	..	..	1	4	2	3	1	2	2	..	..	
Skin Diseases.....	1	1	1	..	..	1	4	13	..	8	..	..	..	2	24	
Dyspepsia	1	..	..	1	2	..	4	..	..	16	..	..	..	1	16	
Atrophy and Anæmia.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Accidents and diseases not classified.....	20	6	15	9	8	9	67	35	24	234	7	5	9	31	21	
TOTAL	33	22	23	21	16	22	137	141	37	362	17	17	23	69	114	

a English Cholera. *b* Removed to Workhouse. *c* Not vaccinated. *d* 2 Removed to Workhouse.
i Typhus, removed to Fever Ward.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, W.J. TATTERSALL,
(13) Mr. H. RUNCOR
(14) Dr. WHITEHEA
(15) ,, J OGDEN FI
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over this fact has several times been noti

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 20th day of October, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	3	2	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	1	..	3	..	..	5	15	4	Measles	..
..	10	..	..	1	..	..	..	..	2	..	..	14	14	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	1	..	1	..	..	..	5	26	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
20	1	4	3	2	2	..	1	2	..	1	..	85	61	Diarrhœa	4
..	..	..	..	..	4	..	..	..	..	..	..	4	2	Dysentery	..
e5	g5	10	..	2	3	3	..	1	3	1	g2	83	116	Continued Fever	11
..	..	..	..	..	..	..	1	..	..	..	..	6	4	Erysipelas	..
..	1	13	1	..	..	..	..	1	2	5	4	71	40	Rheumatism	2
..	..	1	..	..	..	..	..	..	..	1	..	16	9	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	..	..	2	5	51	28	Constitutional Syphilis	..
..	1	6	..	..	..	1	..	..	1	1	4	56	53	Phthisis	5
1	..	..	..	1	..	..	..	..	..	..	..	7	3	Insanity	..
7	3	28	2	2	5	2	2	6	2	12	3	231	168	Bronchitis, Influenza, and Catarrh.....	3
1	..	4	..	..	..	1	..	..	..	..	1	22	7	Pleurisy & Pneumonia.	2
..	1	25	..	..	..	..	..	..	1	..	10	92	72	Skin Disease.....	..
3	..	21	..	..	..	..	3	2	..	7	2	77	54	Dyspepsia	..
..	..	..	..	..	..	..	2	1	..	..	..	3	..	Atrophy and Anæmia..	..
11	13	98	2	3	2	4	8	35	3	28	43	696	783	Accidents and diseases not classified.....	24
48	35	214	8	11	16	13	17	52	14	58	79	1537	1448	.... TOTAL	52

Typhus, removed to Workhouse. *f* 4 Typhus and 3 Typhoid. *g* Typhus. *h* 2 Typhus and 1 Febricula.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	1	1	..	..	1	..	..	3	7
Whooping-cough	..	1	..	..	..	2	..	..	..	..	..	3	14
Scarlatina	2	2	..	..	1	..	..	..	3	1	..	9	9
Diarrhœa	1	..	2	..	3	3	1	..	..	2	..	12	38
Fever	3	3	*a*15	..	..	*c*2	*e*3	..	2	2	*c*1	31	29
Diseases of the Lungs	8	3	8	6	5	9	3	3	6	14	3	68	71
Other causes	20	14	11	4	*b*11	*d*10	*d*9	6	11	14	7	117	131
TOTAL NO. OF DEATHS.	34	23	36	10	21	27	16	9	23	33	11	243	299
TOTAL NO. OF BIRTHS.	47	38	10	15	13	26	19	20	25	60	17	290	292

a 12 Typhus and 3 Typhoid. *b* 1 English Cholera. *c* Typhoid. *d* 1 Inquest. *e* 2 Typhus. *f* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th July.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	TOTAL.	DISEASE.	4 Weeks ending 28th July.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	TOTAL
8	6	4	18	Small-pox	2	1	3	6
12	2	6	20	Chicken-pox	3	1	2	6
33	31	42	106	Measles	25	60	31	116
37	32	45	114	Scarlatina	20	41	64	125
3	..	2	5	Diphtheria	1	..	..	1
36	31	34	101	Whooping-cough	13	12	17	42
1	..	1	2	Croup	3	1	2	6
1726	2207	1150	5083	Diarrhœa	515	1709	2567	4791
3	4	6	13	Dysentery	30	37	15	82
2	3	22	27	Cholera	..	4	5	9
10	19	19	48	Erysipelas	21	30	26	77
..	..	..	..	Puerperal Fever	..	..	..	..
14	8	14	36	Insanity	45	34	41	120
446	454	539	1439	Bronchitis and Catarrh	440	435	710	1585
5	9	11	25	Pleurisy	47	42	60	149
20	10	21	51	Pneumonia				
4	3	9	16	Carbuncle	..	..	..	..
3793	3706	4343	11842	Accidents, and all other Diseases.	4104	4015	5647	13766
6153	6525	6268	18946	TOTAL	5269	6422	9190	20881

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	8·369	28
Castleton Moor	7·850	24
Eccles	7·259	28
Old Trafford	7·128	28
Penketh	5·795	26
Wilmslow	....	..

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·074	30·069	30·058	30·025	30·068	30·049	30·072
Highest (Unreduced)	30·100	30·139	30·159	30·040	29·694	30·224	29·770
Lowest (Unreduced)	29·744	29·762	29·751	29·652	29·326	29·840	29·418
Range	0·356	0·377	0·408	0·388	0·368	0·384	0·352
Temperature.							
Adopted Mean	47·5	47·5	48·9	48·6	47·7	49·1	47·5
Range for Week	27·9	36·6	33·8	34·6	37·5	36·8	33·6
Daily Range	11·1	18·0	15·7	12·8	16·6	14·3	14·5
Maximum in Shade	64·9	66·8	65·6	63·8	66·0	65·2	63·1
Minimum in Shade	37·0	30·2	31·8	29·2	28·5	28·4	29·5
Temperature of Dew Point	43·1	42·5	43·5	43·4	42·6	45·2	41·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·854	0·837	0·818	0·819	0·825	0·865	0·800
Prevailing Winds	.....	SE, NE	E, NE	SE	SE	SE	S, SE
Rain	.....	0·530	0·570	0·340	0·538	0·284	0·840
Ozonometer.							
Moffat	....	0·71	0·71	....	....	....	....
Schonbein	....	0·57	....	4·14	2·00	1·10	....

October 20, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, OCTOBER 27, 1866. No. 326.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease return for the week ending October 27th may be looked upon as a satisfactory one. The total number of new cases of sickness and injuries occasioned by accidents, observed in the course of public practice, amounted to 1,492; in the two preceding weeks 1,584 and 1,537 cases were respectively returned.

The only decidedly unfavourable feature in connection with the table is the continued wide-spread prevalence of Fever. Under this column 87 new cases were recorded, of which 50 are specially referred to as examples of true Typhus.

Under Diarrhœa it is satisfactory to observe a very decided improvement, the new cases not exceeding 46; a fortnight ago 120 poor patients applied for relief from this disorder.

Bronchitis and kindred affections of the chest are week by week steadily increasing, the last return giving 265 against 247 and 253, the numbers for the two preceding weeks.

For some time Scarlet Fever has proved very general among young children in the Ardwick district, though the last return from this quarter only refers to 2 new cases.

The epidemic of Whooping Cough, which prevailed so generally in the early months of the year, has now well nigh entirely disappeared; only 1 new case being recorded.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 250 deaths and 288 births were registered in the eleven districts of the Sanitary Association; in the two preceding weeks, the mortality returns were considerably more favourable, while the birth returns were more numerous.

Of the 250 deaths, 71 are ascribed to diseases of the Lungs, 18 to Diarrhœa, and 14 to Fever.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 123.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 49·1°; at the Royal Infirmary, last week the warmest of the Manchester Stations, it was 50·4°; at Eccles 49·3°; and at Old Trafford 49·1°. At Wilmslow, 3·28° of Ozone were registered during the week.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	1	..	..	4	6	..	..	..	..	..	1	1	..	..
Scarlatina	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	2	...	..	1	..	..	3	..	..	..	..	..	1	4	6	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*4	*b*5	5	5	1	1	21	24	*c*5	..	*c*1	*d*4	*c*1	..	..	..
Erysipelas	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Rheumatism	1	..	2	..	..	1	4	7	1	13	..	1	1	..	3	2
Neuralgic Affections	..	..	..	..	..	..	..	..	..	3	..	..	..	1	1	..
Constitutional Syphilis	..	..	..	..	..	..	..	8	..	12	..	..	1	..	1	4
Phthisis	1	..	1	..	..	..	2	6	..	27	..	4	1	..	1	..
Insanity	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	7	3	11	3	7	33	33	2	33	1	5	4	13	20	3
Pleurisy and Pneumonia	..	1	..	..	..	..	1	12	..	2	2	1	..	..	1	..
Skin Diseases	..	..	..	..	..	..	..	11	..	11	..	..	..	3	20	2
Dyspepsia	1	..	..	1	2	..	4	6	..	16	..	..	4	..	24	3
Atrophy and Anæmia	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	22	7	9	2	1	4	45	52	34	231	2	6	12	43	13	1
TOTAL	33	22	21	21	7	19	123	164	42	348	6	21	26	66	91	19

a 1 Removed to Workhouse. *b* 2 Typhus, removed to Workhouse. *c* Typhus. *d* 3 Typhus and 1 Typhoid.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,

(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,

(13) Mr. H. RUNCORN,
(14) Dr. WHITEHEAD,
(15) „ J OGDEN FLE
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-doo medical relief to the workhouse, and are then reported twice over this fact has several times been notice

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 27th day of October, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650				Area in Statute Acres.	
70,967				68,209			44,850		21739	24,448				Population in 1861.	
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	2	1	..	3	..	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	1	..	..	1	4	..	..	..	14	4	Measles	..
..	..	1	..	4	..	..	..	..	2	..	..	9	7	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	1	35	Whooping-cough	1
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	1
3	e2	7	1	1	4	2	..	3	..	1	2	46	56	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dysentery	..
..	c4	6	..	f3	2	2	..	1	c3	c3	g5	87	106	Continued Fever	3
..	..	..	..	..	..	..	..	1	1	1	..	4	8	Erysipelas	..
1	..	6	..	3	..	1	2	3	..	4	4	58	63	Rheumatism	..
..	..	3	..	..	..	..	2	1	..	..	..	11	14	Neuralgic Affections	..
..	..	2	1	..	..	..	1	1	..	1	3	35	30	Constitutional Syphilis	..
1	1	8	1	1	..	..	1	1	..	3	4	62	69	Phthisis	7
..	3	..	..	..	..	..	1	..	..	..	..	10	8	Insanity	..
8	2	30	3	9	4	2	9	10	3	7	9	244	195	Bronchitis, Influenza, and Catarrh	13
..	..	1	..	..	..	..	..	1	..	..	..	21	13	Pleurisy & Pneumonia.	5
..	5	23	..	..	..	..	..	3	..	4	10	94	78	Skin Disease	..
1	..	14	..	..	2	..	3	4	2	8	1	92	63	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	3	2	Atrophy and Anæmia	2
11	5	117	..	5	2	4	3	42	2	26	29	697	735	Accidents and diseases not classified	24
25	22	218	6	27	14	11	23	77	15	59	67	1492	1486	TOTAL	58

leraic. *f* Febricula. *g* 3 Typhus, 1 Typhoid, and 1 Febricula.

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
vn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	..	..	2	..	..	..	..	..	3	3
Whooping-cough	..	..	..	..	..	2	..	1	..	1	..	4	14
Scarlatina	3	1	..	2	..	1	..	..	..	1	1	9	10
Diarrhœa	1	3	3	..	3	1	*d*1	..	..	4	*d*2	18	21
Fever	2	1	*a*2	*b*1	2	*a*2	1	2	..	*b*1	..	14	29
Diseases of the Lungs	7	11	9	6	3	9	..	..	11	11	4	71	65
Other causes	16	16	21	*c*6	11	*c*8	*c*14	8	*e*6	15	10	131	138
TOTAL NO. OF DEATHS.	30	32	35	15	19	25	16	11	17	33	17	250	281
TOTAL NO. OF BIRTHS.	42	30	22	9	15	39	31	16	25	42	17	288	269

a Typhus. *b* Typhoid. *c* 1 Inquest. *d* Choleraic. *e* 1 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th July.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	TOTAL.	DISEASE.	4 Weeks ending 28th July.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	TOTAL
8	6	4	18	Small-pox	2	1	3	6
12	2	6	20	Chicken-pox	3	1	2	6
33	31	42	106	Measles	25	60	31	116
37	32	45	114	Scarlatina	20	41	64	125
3	..	2	5	Diphtheria	1	..	..	1
36	31	34	101	Whooping-cough	13	12	17	42
1	..	1	2	Croup	3	1	2	6
1726	2207	1150	5083	Diarrhœa	515	1709	2567	4791
3	4	6	13	Dysentery	30	37	15	82
2	3	22	27	Cholera	..	4	5	9
10	19	19	48	Erysipelas	21	30	26	77
..	..	..	..	Puerperal Fever	..	..	..	..
14	8	14	36	Insanity	45	34	41	120
446	454	539	1439	Bronchitis and Catarrh	440	435	710	1585
5	9	11	25	Pleurisy }	47	42	60	149
20	10	21	51	Pneumonia }				
4	3	9	16	Carbuncle	..	..	..	..
3793	3706	4343	11842	Accidents, and all other Diseases.	4104	4015	5647	13766
6153	6525	6268	18946	TOTAL	5269	6422	9190	20881

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	8·369	28
Castleton Moor	7·850	24
Eccles	7·259	28
Old Trafford	7·128	28
Penketh	5·795	26
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·906	29·920	29·916	29·887	29·903		
Highest } Unreduced	30·012	30·032	30·023	29·980	29·560		
Lowest } Unreduced	29·660	29·620	29·611	29·532	29·157		
Range	0·352	0·412	0·412	0·448	0·403		
Temperature.							
Adopted Mean	50·4	49·1	49·3	48·5	47·8		
Range for Week	21·8	30·3	26·6	25·9	31·0		
Daily Range	11·1	13·0	10·9	10·7	12·7		
Maximum in Shade	63·8	65·3	64·6	63·7	66·0		
Minimum in Shade	42·0	35·0	38·0	37·8	35·0		
Temperature of Dew Point	44·8	44·7	45·5	45·5	44·8		
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.		
Degree of Humidity (Saturation—1,000)	0·811	0·854	0·877	0·892	0·892	NO RETURN.	NO RETURN.
Prevailing Winds	.....	SW, SE	NW	S, SE	SE		
Rain	.....	1·264	1·298	1·149	1·555		
Ozonometer.							
Moffat	....	0·43	1·43	....	....		
Schonbein	....	0·28	....	3·28	1·24		

October 27, 1866.

JOHN HEAP, *Royton, Oldham.*

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HEALTH AND METEOROLOGY OF MANCHESTER

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Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, NOVEMBER 3, 1866. No. 327.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, November 3rd, 1525 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford, while the deaths among these patients amounted to 67, or 1 in every 25.

The Diarrhœa return was considerably heavier than that of the preceding week, the numbers being 46 and 67; 13 of the patients applied for relief at the Clinical Hospital and 12 at the Royal Infirmary.

During the last three weeks the fluctuations in the Fever returns has been very slight, 83, 87, and 90 cases being successively reported. Of the 90 cases seen last week 43 are ascribed to Typhus; 30 of which were admitted into the Manchester Workhouse.

Bronchitis and the Kindred Chest Affections proved less prevalent than in the two preceding weeks; this was probably owing to the continued mildness of the weather.

Small Pox at the present time is only met with in sporadic cases, while Measles Whooping-Cough, and Scariet Fever are all singularly mild. As a whole the present disease return may be looked upon as decidedly satisfactory.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 306 deaths were registered in the eleven districts of the Sanitary Association, or 56 more than in the preceding week; 29 of the number were what are termed back cases, cases on which it was deemed proper to hold inquests, though death in any case did not necessarily occur in the course of the week.

Several fatal cases of Cholera were recorded, 1 of which in a female aged 42 proved fatal in thirteen hours.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 116.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 49·2°; at the Royal Infirmary, last week the warmest of the Manchester Stations, it was 49·6°; at Eccles 49·2°; and at Old Trafford 48·5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol 1
Small-pox	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	.
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	...	..	..	1	1	..	..	3	..	..	2	..	..	.
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	3	1	..	2	1	2	9	1	..	12	..	..	1	3	13	
Dysentery	..	..	..	2	..	..	2	..	..	..	..	..	..	1	..	.
Continued Fever	*a*5	*b*5	1	*c*3	*d*5	*c*3	22	30	..	..	*c*1	*e*4	*f*3	1	1	.
Erysipelas	1	..	..	..	..	..	1	..	..	3	..	..	1	..	..	.
Rheumatism	1	2	..	..	..	..	3	11	2	26	1	2	4	..	2	
Neuralgic Affections	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2	.
Constitutional Syphilis	1	..	..	..	..	..	1	6	..	13	..	..	..	..	1	
Phthisis	..	2	..	1	1	1	5	8	..	16	3	1	3	1	3	.
Insanity	..	..	..	..	..	2	2	7	..	..	..	..	..	..	..	.
Bronchitis, Influenza & Catarrh	4	1	1	3	1	4	14	31	..	36	2	2	7	7	24	
Pleurisy and Pneumonia	1	..	..	..	..	..	1	7	1	..	..	1	1	..	..	.
Skin Diseases	..	..	..	..	..	..	..	14	..	5	..	..	..	3	10	4
Dyspepsia	1	1	..	1	1	..	4	8	..	17	..	..	..	1	15	4
Atrophy and Anæmia	..	..	..	..	1	2	3	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	17	4	13	5	3	15	57	61	36	240	4	5	10	26	14	5
TOTAL	34	16	15	17	13	30	125	184	42	374	11	15	34	44	90	21

a Removed to Workhouse. *b* 3 Typhus, removed to Workhouse. *c* Febricula. *d* 1 Removed to Workhouse.
h 3 Typhus and 1 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
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ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 3rd day of November, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	1	..	1	4	2	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	1	5	3	..	..	1	16	20	Measles	1
..	..	1	..	4	..	..	..	..	..	..	..	8	13	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	2	..	1	..	2	..	9	30	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	..	6	3	..	..	3	1	2	..	..	5	64	45	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	3	5	Dysentery	..
..	*g*1	8	..	*e*1	3	4	..	1	*g*3	2	*h*4	90	121	Continued Fever	4
..	..	..	..	..	..	..	1	..	..	..	..	6	9	Erysipelas	..
..	..	11	1	..	2	..	1	1	1	3	6	79	82	Rheumatism	..
..	..	2	..	..	..	..	..	..	..	1	..	7	10	Neuralgic Affections ..	..
1	..	1	..	..	..	..	..	1	..	1	2	30	42	Constitutional Syphilis	1
..	1	9	..	..	..	1	..	1	..	2	4	59	61	Phthisis	7
1	1	..	..	..	..	..	..	..	..	..	..	11	12	Insanity	..
5	1	32	2	8	..	6	3	6	4	14	13	224	221	Bronchitis, Influenza, and Catarrh.....	8
1	..	2	..	..	..	..	..	..	..	..	2	16	12	Pleurisy & Pneumonia.	7
..	5	20	..	..	..	..	..	1	..	1	16	79	60	Skin Disease.....	..
2	..	12	1	..	..	..	2	2	1	5	8	83	85	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	5	5	Atrophy and Anæmia..	..
9	8	120	1	4	3	4	6	47	1	24	42	732	780	Accidents and diseases not classified.....	34
20	17	224	8	17	8	21	20	67	11	55	104	1525	1615	.... TOTAL	67

e 2 Typhus, 1 Typhoid, and 1 Febricula. *f* 1 Typhus removed to Workhouse, also 2 Febricula. *g* Typhus.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) ,, BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

he reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	..	..	..	..	..	..	..	..	..	1	..
Measles	1	..	..	..	..	1	..	..	1	3	..	6	8
Whooping-cough	..	..	..	..	..	1	..	..	..	1	..	2	19
Scarlatina	4	2	..	..	..	4	..	1	1	3	..	15	15
Diarrhœa	1	1	..	2	*g*3	3	..	1	..	4	..	15	15
Fever	*a*7	2	*d*3	*e*3	*h*1	..	*h*2	..	1	1	..	20	24
Diseases of the Lungs	11	11	14	5	3	12	1	3	8	19	3	90	79
Other causes	*b*19	*c*19	17	*f*6	11	*i*9	12	9	*j*12	*k*34	*l*9	157	136
TOTAL NO. OF DEATHS.	44	35	34	16	18	30	15	14	23	65	12	306	296
TOTAL NO. OF BIRTHS.	53	41	12	17	19	31	35	19	26	58	18	329	323

a 4 Typhus. *b* 1 Asiatic Cholera, Female aged 42 years ;—13 hours. *c* 8 Inquests, also 1 Cholera. *d* 3 Typhus. *e* 2 Gastric. *f* 1 Inquest. *g* 2 Choleraic. *h* Typhus. *i* 1 Cholera, also 2 Inquests. *j* 1 English Cholera, also 2 Inquests. *k* 13 Inquests. *l* 1 Cholera, also 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL.	DISEASE.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL
6	4	22	32	Small-pox	1	3	17	21
2	6	11	19	Chicken-pox	1	2	..	3
31	42	21	94	Measles	60	31	42	133
32	45	35	112	Scarlatina	41	64	36	141
..	2	2	4	Diphtheria	..	..	..	..
31	34	39	104	Whooping-cough	12	17	18	47
..	1	1	2	Croup	1	2	1	4
2207	1150	568	3925	Diarrhœa	1709	2567	389	4665
4	6	3	13	Dysentery	37	15	10	62
3	22	10	35	Cholera	4	5	..	9
19	19	20	58	Erysipelas	30	26	16	72
..	..	..	..	Puerperal Fever	..	..	..	..
8	14	9	31	Insanity	34	41	33	108
454	539	751	1744	Bronchitis and Catarrh	435	710	911	2056
9	11	12	32	Pleurisy }	42	60	66	168
10	21	32	63	Pneumonia }				
3	9	1	13	Carbuncle	..	..	..	..
3706	4343	3619	11668	Accidents, and all other Diseases.	4015	5647	4557	14219
6525	6268	5156	17949	TOTAL	6422	9190	6096	21708

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.	Inches.	Wet Days.
Castleton Moor	3·161	10
Royton	3·060	12
Eccles	2·606	14
Old Trafford	2·521	13
Wilmslow	1·936	16
Penketh	1·727	13

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	320 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·978	29·938	29·899	29·940	29·928		29·923
Highest (Unreduced)	30·292	30·278	30·259	30·164	29·806		29·850
Lowest (Unreduced)	29·610	29·552	29·481	29·504	29·027		29·106
Range	0·682	0·726	0·778	0·660	0·779		0·744
Temperature.							
Adopted Mean	49·6	48·5	49·2	47 1	47·2		46·3
Range for Week	19·1	28·0	27·3	18·6	26·0		22·9
Daily Range	11·5	14·0	11·3	11·3	14·4		13·5
Maximum in Shade	59·3	63·0	62·4	58·7	59·0		57·0
Minimum in Shade	40·2	35·0	35·1	40·1	33·0		34·1
Temperature of Dew Point	44·0	43·7	45·8	45·0	43·2		43·3
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.		GRS.
Degree of Humidity (Saturation—1,000)	0·809	0·839	0·890	0·923	0·860		0·888
Prevailing Winds	.....	SE,SW	NW,SW	S,SW	S,SW		S,SW
Rain	.....	0·781	0·744	0·442	1·039		0·944
Ozonometer.							
Moffat	....	0·86	1·57	....	....		....
Schonbein	....	0·57	....	0·30	0·20		....

NO RETURN.

November 3, 1866.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, NOVEMBER 10, 1866. No. 328.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease return for the week ending November 10th, may be looked upon as satisfactory. The total number of new cases of disease and injuries occasioned by accidents observed in the public practice of Manchester and Salford amounted to 1420—105 fewer than were recorded in the previous week. The death-rate among the sick likewise was considerably below the average, the proportion of deaths to cases being only 1 in 31.

Continued Fever, under its various forms, is the only disorder which is still raging with epidemic intensity. In the course of the week there were 91 cases, 48 of them being specially referred to as examples of Typhus; 4 of the latter originated in the St. Michael's district and 3 in the St. George's.

Diarrhœa and Dysentery were far less prevalent than in the previous week, 39 instead of 67 cases being entered.

Bronchitis and kindred Chest Affections attacked fewer persons than in the two preceding weeks, a result which may be attributed to the continued mildness of the season.

Of 12 fatal cases of Measles 5 were treated at the Chorlton Dispensary and 3 in St. Michael's district.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 225 deaths were registered in the eleven districts which furnish the Sanitary Association with returns. The number was somewhat below the average for the season.

Twenty-two fatal cases of Fever were returned, the great majority of them proving examples of Typhus. Scarlet fever carried of 14 persons. This disease is far more general at present among the better-to-do-class than among the pauper and hospital class of patients.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated number by 17.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48·4° or 3·2° above the average for the season; at the Royal Infirmary, it was 49·0°; at Penketh 48·5°; and at Old Trafford 47·7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	*a*1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Measles	..	..	...	..	1	3	4	..	..	..	..	..	..	..	1
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	3	..	1	1	..	..	5	..	..	3	..	..	1	5	5
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*2	*b*2	*c*6	2	*d*4	*e*4	20	28	..	3	..	*f*3	*f*3	2	..
Erysipelas	..	1	..	..	..	..	1	2	..	1	..	..	3	..	..
Rheumatism	2	1	..	..	..	..	3	14	..	11	4	4	4	..	..
Neuralgic Affections	..	..	..	..	..	..	..	..	1	4	..	1	..	1	3
Constitutional Syphilis	..	..	..	..	..	1	1	11	..	18	..	..	..	2	..
Phthisis	..	1	1	1	1	1	5	5	..	20	..	2	3	2	2
Insanity	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	3	5	..	2	5	16	29	1	29	2	2	5	7	23
Pleurisy and Pneumonia	..	..	..	..	..	..	..	8	..	4	1	..	1	..	1
Skin Diseases	..	1	1	..	..	..	2	6	..	5	..	..	..	3	22
Dyspepsia	..	..	..	..	..	..	..	6	..	14	..	..	..	1	9
Atrophy and Anæmia	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..
Accidents and diseases not classified	16	5	13	12	2	12	60	32	37	196	2	6	15	33	15
TOTAL	25	14	27	16	11	27	120	147	39	308	9	18	35	57	83

a Removed to Workhouse. *b* 1 Typhus, removed to Workhouse. *c* 4 Typhus. *d* 3 Removed to Workhouse. *i* 3 Typhus.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, W.J. TATTERSALL,
(13) Mr. H. RUNCO
(14) Dr. WHITEHE
(15) ,, J OGDEN
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over this fact has several times been not

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Veek ending the 10th day of November, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
ORLAW ISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
...ngate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	1	..	3	12	Small-pox	..
..	..	1	..	..	..	..	..	..	..	2	..	..	4	3	Chicken-pox	..
..	..	..	..	..	..	..	1	1	5	..	..	..	12	17	Measles	..
..	..	..	4	..	..	..	..	..	1	..	..	..	5	6	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	1	..	..	..	3	39	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup	..
..	1	..	3	2	3	2	2	1	..	..	..	3	38	37	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	5	Dysentery	..
..	*e*1	*g*2	9	..	*h*2	3	2	1	*e*1	3	*i*4	4	91	139	Continued Fever	3
..	..	..	..	..	..	..	..	..	..	1	..	..	8	8	Erysipelas	..
..	2	..	6	1	2	..	1	1	2	..	3	4	65	75	Rheumatism	..
..	..	..	..	..	..	..	..	..	..	..	3	..	14	13	Neuralgic Affections ..	..
..	..	..	3	..	..	..	..	..	1	..	2	2	42	32	Constitutional Syphilis	..
..	1	1	8	..	..	..	..	1	..	..	4	4	58	59	Phthisis	7
..	..	1	..	..	..	..	..	..	..	..	..	..	6	7	Insanity	..
5	4	3	25	..	4	6	2	6	4	2	6	13	198	253	Bronchitis, Influenza, and Catarrh.....	9
..	..	..	3	..	1	..	1	..	..	..	..	2	22	18	Pleurisy & Pneumonia.	3
..	2	2	24	..	..	..	..	3	1	2	..	8	84	56	Skin Disease.....	..
..	3	..	15	1	..	5	..	..	1	..	4	3	64	60	Dyspepsia	..
..	..	..	..	..	..	..	..	..	1	..	..	..	3	1	Atrophy and Anæmia..	1
..	13	9	125	2	6	5	3	7	37	2	38	44	699	688	Accidents and diseases not classified.....	23
..	27	19	225	6	18	21	12	21	55	12	65	88	1420	1530	.... TOTAL	46

e Typhus removed to Workhouse. *f* 1 Typhus and 2 Febricula. *g* Typhus. *h* 1 Typhus and 1 Febricula.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. G. CLEMENTS,
(19) ,, J. O. BRADBURY,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	..	..	..	..	..	..	..	..	..	..	..	..	9
Whooping-cough	..	..	..	..	..	..	..	..	..	3	..	3	17
Scarlatina	3	3	..	1	..	2	1	..	1	2	1	14	9
Diarrhœa	1	1	..	..	1	4	2	1	..	4	..	14	12
Fever	*a*6	3	*c*1	*c*1	2	..	*e*6	..	*g*1	*c*1	*c*1	22	20
Diseases of the Lungs	12	4	11	5	9	8	3	..	5	9	3	69	79
Other causes	9	*b*14	16	7	*d*10	6	*f*10	*b*4	10	14	3	103	125
TOTAL NO. OF DEATHS.	31	25	28	14	22	20	22	5	17	33	8	225	273
TOTAL NO. OF BIRTHS.	34	36	14	14	10	32	16	19	34	59	20	288	280

a 4 Typhus. *b* 1 Inquest. *c* Typhus. *d* 6 Inquests. *e* 3 Typhus and 2 Typhoid. *f* 2 Inquests. *g* Typhoid.

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454	539	751	1744	Bronchitis and Catarrh	435	710	911	2056
9	11	12	32	Pleurisy }	42	60	66	168
10	21	32	63	Pneumonia }				
3	9	1	13	Carbuncle	..	..	..	..
3706	4343	3619	11663	Accidents, and all other Diseases.	4015	5647	4557	14219
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FALL OF RAIN IN OCTOBER.	Inches.	Wet Days.	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Es	Castleton Moor, Rev. J. C. Bates.
Castleton Moor	3·161	10							
Royton	3·060	12							
Eccles	2·606	14							
Old Trafford	2·521	13							
Wilmslow	1·936	16							
Penketh	1·727	13							
Height of barometer cistern above sea level			130 ft.	123 ft	145ft.	221 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29·887	29·872	29·880	29·937	29·896	29·868	29·854
Highest } Unreduced			30·070	30·080	30·159	29·970	29·585	30·140	29·674
Lowest } Unreduced			29·5[illegible]6	29·539	29·511	29·490	29·130	29·700	29·180
Range			0·474	0·539	0·618	0·480	0·155	0·440	0·494
Temperature.									
Adopted Mean			49·0	47·7	47·8	46·7	45·4	48·5	45·7
Range for Week			23·1	31·0	29·2	37·5	28·6	31·3	27·0
Daily Range			11·6	15·5	13·8	14·8	15·4	13·5	12·4
Maximum in Shade			58·3	60·0	59·1	65·4	55·6	58·5	55·0
Minimum in Shade			35·2	29·0	29·9	27·9	27·0	27·2	28·0
Temperature of Dew Point			45·8	42·1	43·4	44·1	43·0	43·5	42·0
Hygrometrical condition of the Atmosphere			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0·874	0·818	0·861	0·906	0·911	0·827	0·867
Prevailing Winds			.....	SE, SW	W, SW	SW	SW	SW	SW
Rain			.....	0·902	0·857	1·087	1·375	1·027	1·407
Ozonometer.									
Moffat			....	1·71	4·42	....	....	....	....
Schonbein			....	1·28	....	7·43	2·10	....	....

November 10, 1866. JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, NOVEMBER 17, 1866. No. 329.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue satisfactory. In the week terminating on Saturday, the 17th of November, 1377 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers were 1,525 and 1,420. The proportion of deaths to cases (1 in 24) was considerably higher than that reported in our last return.

Under Continued Fever 81 new cases were recorded, in the two previous weeks the numbers were 90 and 91. Half of these cases are referred to as examples of true Typhus.

Bronchitis and kindred Affections of the Chest appear to be gaining ground; 257 instead of 220 seizures being returned.

Measles, which has not prevailed as an epidemic for a considerable time, appears to be once again establishing itself in various quarters of the town. Last week there were 24 new cases, 7 of which were seen at the Chorlton Dispensary and 4 at the Salford Workhouse.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 243 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year the return was far heavier, the deaths at that time amounting to 346.

Diseases of the Lungs proved more fatal than in the preceding week, the respective numbers being 69 and 80.

During the last three weeks there has been but little variation in the death-tribute exacted by fever, the returns assigning 20, 22, and 22 to this disease.

In London, according to the last report of the Registrar General, the deaths fell short of the estimated number by 91.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·6° or 2·4° above the average; at the Royal Infirmary, it was 45·9°; at Old Trafford 44·3°; and at Eccles, 44·9°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	...	..	2	..	2	..	..	..	..	..	1	..	4	
Scarlatina	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
Croup	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..	
Diarrhœa	1	..	1	..	1	..	3	..	1	11	..	..	4	4	11	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	*a*1	*b*4	*c*5	3	*b*4	*d*3	20	27	..	..	..	*e*4	*d*2	3	..	
Erysipelas	..	..	..	..	..	1	1	..	..	3	..	1	..	..	..	
Rheumatism	..	2	1	..	..	..	3	8	1	..	..	1	1	..	2	
Neuralgic Affections	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	
Constitutional Syphilis	..	..	..	..	1	..	1	12	..	5	..	..	..	..	1	
Phthisis	..	..	..	..	..	..	..	8	..	23	3	2	4	..	1	
Insanity	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	
Bronchitis, Influenza & Catarrh	6	3	2	3	2	6	22	30	1	41	1	4	4	4	14	
Pleurisy and Pneumonia	..	..	..	..	..	..	..	14	..	9	1	..	1	..	1	
Skin Diseases	1	..	..	..	..	..	1	15	..	10	..	..	..	5	5	
Dyspepsia	..	..	..	..	..	..	..	..	..	21	..	..	1	3	9	
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Accidents and diseases not classified	16	4	8	8	4	11	51	32	36	213	2	6	10	27	8	
TOTAL	26	14	17	14	14	22	107	148	40	336	7	19	28	49	57	17

a Removed to Workhouse. *b* 3 Typhus, removed to Workhouse. *c* 2 Febricula. *d* 2 Typhus removed to Workhouse.

Medical Officers to whom the Associatior

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,
(13) Mr. H. RUNCOR
(14) Dr. WHITEHEA
(15) „ J OGDEN F
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-doo medical relief to the workhouse, and are then reported twice over this fact has several times been notice

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Veek ending the 17th day of November, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
ORLAW ISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Regent Road.		Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
17		18	19	20	21	22	23	24	25	26	27	28				
..		..	3	..	..	..	..	..	..	..	..	..	5	5	Small-pox	..
..		..	..	..	..	..	..	..	..	..	..	2	2	..	Chicken-pox	..
..		4	..	..	..	..	2	4	7	..	..	..	24	18	Measles	1
..		..	3	..	..	1	..	..	..	..	..	..	6	6	Scarlatina	..
..		..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..		..	..	..	..	..	1	..	..	..	..	..	2	29	Whooping-cough	..
..		..	2	..	..	..	..	..	..	..	..	..	4	..	Croup	1
2		..	1	2	..	2	..	..	2	..	..	6	57	31	Diarrhœa	1
..		..	..	..	..	..	..	..	1	..	..	..	1	6	Dysentery	..
*f*3		3	5	..	*a*1	2	..	..	1	*a*2	3	*d*4	81	123	Continued Fever	7
1		..	..	..	..	..	..	..	2	..	..	..	8	10	Erysipelas	..
1		..	4	..	..	3	1	2	2	..	3	6	41	64	Rheumatism	..
..		1	..	..	..	..	..	..	..	..	..	..	5	8	Neuralgic Affections ..	..
..		..	1	..	..	..	..	..	..	3	2	2	29	30	Constitutional Syphilis	..
2		1	4	..	1	5	..	..	..	1	3	4	64	61	Phthisis	6
..		1	..	..	..	..	..	..	..	..	..	..	3	6	Insanity	..
6		3	32	4	3	2	..	3	16	4	10	18	229	236	Bronchitis, Influenza, and Catarrh.....	7
..		..	2	..	..	..	..	..	..	..	..	..	28	15	Pleurisy & Pneumonia.	..
..		..	21	..	..	..	1	3	..	1	..	7	69	65	Skin Disease.....	..
2		..	14	..	..	..	..	3	1	1	3	6	67	70	Dyspepsia	..
..		..	..	..	..	..	..	1	1	..	..	..	2	1	Atrophy and Anæmia..	..
13		9	109	3	6	2	3	4	33	1	31	45	650	724	Accidents and diseases not classified.....	36
30		22	201	9	11	17	8	20	66	13	55	100	1377	1508	.... TOTAL	59

e 2 Typhus, 1 Typhoid and 2 Febricula.

f 2 Typhoid and 1 Febricula.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. G. CLEMENTS,
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	6
Measles	2	2	..	1	..	1	..	..	..	1	..	7	9
Whooping-cough	..	1	..	..	..	1	..	..	..	1	..	3	28
Scarlatina	1	..	..	1	..	1	..	..	2	..	..	5	8
Diarrhœa	..	..	1	..	3	2	1	..	2	2	..	11	11
Fever	*a*5	1	*b*4	..	*d*1	*d*1	*e*5	1	..	4	..	22	43
Diseases of the Lungs	8	13	8	6	3	12	3	3	8	11	5	80	116
Other causes	12	16	14	*c*8	9	*c*9	9	9	7	18	4	115	125
TOTAL NO. OF DEATHS.	28	33	27	16	16	27	18	13	19	37	9	243	346
TOTAL NO. OF BIRTHS.	34	31	6	12	16	27	30	18	34	51	14	275	335

a 3 Typhus. *b* Typhus. *c* 2 Inquests. *d* Typhoid. *e* 1 Typhus 2 Typhoid and 1 Continued.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL.	DISEASE.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL
6	4	22	32	Small-pox	1	3	17	21
2	6	11	19	Chicken-pox	1	2	..	3
31	42	21	94	Measles	60	31	42	133
32	45	35	112	Scarlatina	41	64	36	141
..	2	2	4	Diphtheria	..	..	..	..
31	34	39	104	Whooping-cough	12	17	18	47
..	1	1	2	Croup	1	2	1	4
2207	1150	568	3925	Diarrhœa	1709	2567	389	4665
4	6	3	13	Dysentery	37	15	10	62
3	22	10	35	Cholera	4	5	..	9
19	19	20	58	Erysipelas	30	26	16	72
..	..	..	..	Puerperal Fever	..	..	..	..
8	14	9	31	Insanity	34	41	33	108
454	539	751	1744	Bronchitis and Catarrh	435	710	911	2056
9	11	12	32	Pleurisy }	42	60	66	168
10	21	32	63	Pneumonia }				
3	9	1	13	Carbuncle	..	..	..	..
3706	4343	3619	11668	Accidents, and all other Diseases.	4015	5647	4557	14219
6525	6268	5156	17949	TOTAL	6122	9190	6096	21708

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN OCTOBER.

	Inches.	Wet Days.
Castleton Moor	3·161	10
Royton	3·060	12
Eccles	2·606	14
Old Trafford	2·521	13
Wilmslow	1·936	16
Penketh	1·727	13

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	221 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·769	29·772	29·766	29·747	29·772	29·776	
Highest } Unreduced	30·018	30·080	30·101	30·036	29·658	30·202	
Lowest } Unreduced	29·176	29·182	29·149	29·090	28·578	29·240	
Range	0·842	0·898	0·952	0·946	1·080	0·962	
Temperature.							
Adopted Mean	45·9	44·3	44·9	43 5	42·9	46·2	
Range for Week	23·3	27·0	25·1	25·7	25·1	29·7	
Daily Range	14·1	13·7	11·3	13·5	12·2	9·2	
Maximum in Shade	54·5	54·0	53·0	52·4	51·6	53·8	
Minimum in Shade	31·2	27·0	28·9	26·7	26·5	24·1	
Temperature of Dew Point	40·8	39·3	40·9	40·7	38·4	42·1	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·842	0·822	0·848	0·894	0·840	0·856	
Prevailing Winds	.....	S,SW	NW,SW	W,SW	SW	W,SW	
Rain	.....	3·477	3·731	2·462	5·562	2·779	
Ozonometer.							
Moffat	....	1·00	4·00	....	....	....	
Schonbein	....	0·86	....	7·57	4·60	....	

NO RETURN.

November 17, 1866.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, NOVEMBER 24, 1866. No. 330.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 24th of November, 1475 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers were 1420 and 1377. The proportion of deaths to cases was 1 in every 23.

It is satisfactory this week to observe a decided improvement under Continued Fever. A fortnight ago 91 new cases were returned, in this report the number is reduced to 70; 39 of these are specially referred to as examples of Typhus.

Measles is still pretty general in certain quarters of the town, 8 new cases being attended by the Medical Officers of the Chorlton Dispensary.

Scarlet Fever likewise appears to be gradually gaining ground. During several successive weeks sporadic cases only appear to have been met with, but in the present return, 5 are recorded by Mr. Dean, in the St. Jude's district.

Under Bronchitis and kindred Affections of the Chest a considerable increase is observable; a fortnight ago only 220 new cases were recorded, last week the number rose to 282. There is nothing unusual in such a rise, which is simply due to the fall of the atmosphere with the advance of winter.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 226 deaths were registered in the eleven districts of the Sanitary Association, or 17 fewer than in our preceding report.

The most satisfactory feature in the death return, is the decided fall in the mortality arising from Continued Fever; in the two preceding weeks 22 deaths were attributed to this disease, last week only 11.

In London, according to the last return of the Registrar General, the deaths proved considerably below the average for the season.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39·2° or 2·0° below the average; at the Royal Infirmary, it was 39·2°; and at Old Trafford 38·2°; at Penketh, a Station in the neighbourhood of Warrington, it was 40·3°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	..... Manchester Township 1,645															
Population in 1861	..... ,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Measles	..	..	...	..	..	1	1	..	..	..	..	..	..	..	..	..
Scarlatina	..	1	..	..	5	..	6	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	1	..	..	..	..	2	..	..	6	..	..	..	7	8	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*a*2	*a*2	1	*b*1	1	*b*3	10	18	*c*1	..	*c*1	*d*9	*e*6	3	1	..
Erysipelas	..	1	..	..	..	..	1	..	..	2	..	..	..	..	..	..
Rheumatism	..	..	..	..	..	..	..	7	..	17	2	1	1	..	1	2
Neuralgic Affections.....	..	..	1	..	..	..	1	..	3	3	..	..	..	..	..	3
Constitutional Syphilis	..	..	..	..	..	1	1	6	..	13	..	1	1	..	4	2
Phthisis	..	..	..	1	..	..	1	6	..	21	..	..	2	2	..	..
Insanity	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	7	2	3	4	5	28	22	3	41	2	5	4	6	16	4
Pleurisy and Pneumonia....	..	1	..	..	..	..	1	12	1	7	..	..	1	..	..	..
Skin Diseases.....	..	..	1	..	..	..	1	10	..	10	..	..	..	3	26	3
Dyspepsia	..	..	..	1	..	..	1	4	2	21	1	..	..	2	4	4
Atrophy and Anæmia.	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	13	6	9	5	4	9	46	53	46	214	4	9	10	31	8	2
TOTAL	23	19	14	11	15	21	103	139	56	355	10	25	25	55	71	24

a 2 Removed to Workhouse. *b* 1 Typhus, removed to Workhouse. *c* Typhus. *d* 3 Typhus, 1 Typhoid and 5 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, W.J. TATTERSALL,
(13) Mr. H. RUNCORN,
(14) Dr. WHITEHEAD,
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(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 24th day of November, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Small-pox	..
..	..	..	..	..	..	..	..	..	2	..	..	3	1	Chicken-pox	..
..	..	3	..	..	..	2	3	8	..	..	..	17	24	Measles	1
..	..	2	..	1	..	1	..	2	2	1	..	15	6	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	2	..	..	..	..	..	..	..	..	..	..	5	33	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Croup	..
..	..	1	2	1	3	..	1	..	..	2	9	46	34	Diarrhœa	2
..	..	1	..	..	..	..	..	..	..	..	..	1	5	Dysentery	..
*b*1	*c*4	6	..	1	..	..	*f*2	..	*b*1	*c*2	*c*1	70	128	Continued Fever	2
..	..	1	..	..	..	..	..	..	..	1	..	5	13	Erysipelas	..
2	..	5	..	2	1	..	3	2	..	4	5	56	46	Rheumatism	..
..	..	2	..	..	..	1	..	..	..	3	..	16	17	Neuralgic Affections ..	..
..	..	3	..	2	..	..	..	..	..	..	4	37	46	Constitutional Syphilis	..
1	3	3	..	..	1	..	2	..	1	4	5	55	60	Phthisis	7
..	1	..	..	..	..	..	2	..	..	..	..	4	8	Insanity	..
4	1	42	3	4	5	3	10	10	3	12	23	257	233	Bronchitis, Influenza, and Catarrh.....	11
..	..	1	..	..	..	..	..	..	..	1	1	25	20	Pleurisy & Pneumonia.	4
..	2	18	..	..	..	..	..	..	1	3	27	104	70	Skin Disease.....	..
5	..	9	1	..	..	..	2	2	..	7	9	74	59	Dyspepsia	1
..	2	..	..	..	..	..	..	1	..	..	..	5	1	Atrophy and Anæmia..	..
9	5	103	2	4	3	3	5	39	2	25	49	679	695	Accidents and diseases not classified.....	36
22	20	200	8	15	13	10	30	64	12	65	133	1475	1505	.... TOTAL	64

e 3 Typhus and3 Febricula, all removedto Workhouse. *f* Typhus, 1 removed to Workhouse.

ebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. G. CLEMENTS,
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
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(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L.WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	..	..	..	..	..	..	..	..	..	1	1
Measles	5	2	..	..	..	1	..	..	2	1	..	11	9
Whooping-cough	1	1	..	..	..	..	..	..	..	1	..	3	23
Scarlatina	3	1	..	1	..	..	..	..	..	1	2	8	12
Diarrhœa	1	2	..	1	1	2	..	1	..	3	..	11	8
Fever	3	2	*c*1	..	..	*c*1	*c*1	1	..	1	*c*1	11	32
Diseases of the Lungs	9	7	7	6	7	6	3	1	6	16	4	72	96
Other causes	*a*9	*b*16	17	5	6	*d*4	*e*9	*f*7	6	25	*d*5	109	159
TOTAL NO. OF DEATHS.	32	31	25	13	14	14	13	10	14	48	12	226	340
TOTAL NO. OF BIRTHS.	36	41	14	8	7	32	29	16	34	56	20	295	261

a 3 Inquests. *b* 4 Inquests. *c* Typhus. *d* 1 Inquest. *e* 2 Inquests. *f* 1 Cholera.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL.	DISEASE.	4 Weeks ending 25th Aug.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	TOTAL
6	4	22	32	Small-pox	1	3	17	21
2	6	11	19	Chicken-pox	1	2	..	3
31	42	21	94	Measles	60	31	42	133
32	45	35	112	Scarlatina	41	64	36	141
..	2	2	4	Diphtheria	..	..	..	..
31	34	39	104	Whooping-cough	12	17	18	47
..	1	1	2	Croup	1	2	1	4
2207	1150	568	3925	Diarrhœa	1709	2567	389	4665
4	6	3	13	Dysentery	37	15	10	62
3	22	10	35	Cholera	4	5	..	9
19	19	20	58	Erysipelas	30	26	16	72
..	..	..	..	Puerperal Fever	..	..	..	..
8	14	9	31	Insanity	34	41	33	108
454	539	751	1744	Bronchitis and Catarrh	435	710	911	2056
9	11	12	32	Pleurisy }	42	60	66	168
10	21	32	63	Pneumonia }				
3	9	1	13	Carbuncle	..	..	..	..
3706	4343	3619	11668	Accidents, and all other Diseases.	4015	5647	4557	14219
6525	6268	5156	17949	TOTAL	6422	9190	6096	21708

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.	Inches.	Wet Days.
Castleton Moor	3·161	10
Royton	3·060	12
Eccles	2·606	14
Old Trafford	2·521	13
Wilmslow	1·936	16
Penketh	1·727	13

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·966	29·962	NO RETURN.	29·974	29·960	29·968	NO RETURN.
Highest } Unreduced	30·092	30·089		29·994	29·677	30·218	
Lowest } Unreduced	29·514	29·470		29·474	29·090	29·659	
Range	0·578	0·619		0·520	0·587	0·559	
Temperature.							
Adopted Mean	39·2	38·2		38·5	36·3	40·3	
Range for Week	20·4	22·3		23·6	24·7	27·6	
Daily Range	11·7	12·9		11·5	14·6	11·2	
Maximum in Shade	50·2	49·3		48·4	47·0	49·8	
Minimum in Shade	29·8	27·0		24·8	23·3	22·2	
Temperature of Dew Point	35·3	34·2		35·9	34·3	36·7	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·862	0·858		0·905	0·925	0·872	
Prevailing Winds	.....	S,SW		N,NW	N,NW	SW,NW	
Rain	.....	0·660		0·422	0·834	0·559	
Ozonometer.							
Moffat	....	0·43		....	....	....	
Schonbein	....	0·28		4·86	1·80	....	

November 24, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, DECEMBER 1, 1866. No. 331.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The state of the publlc health continues on the whole decidedly satisfactory. In the week terminating on Saturday, the 1st of December, 1477 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 54, being in the proportion of 1 death to every 27 cases.

Under Continued Fever there is an increase of 19 cases as compared with the preceding week. It is evident that this disease is still very general in certain quarters of the town. Thus in St. George's District Mr. Meacham records 5 seizures from true Typhus, and in the Regent Road, Salford, 6 more are returned by Dr. Johnson.

Bronchitis and kindred Affections of the Chest, including Pneumonia and Pleurisy, proved somewhat less general than in the previous week. A considerable number of those cases were ascribed by the patients to colds taken at the time their homes were inundated by the floods in Salford and Lower Broughton.

Measles still continues very general in the Chorlton district, 5 new cases being attended by the Medical Officers of the Chorlton Dispensary.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 246 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year there were 302.

Thirteen of the deaths are ascribed to Measles, 4 of these fatal cases were seen in the Ancoats district and 4 in the St. George's.

Continued Fever carried off 18 persons, or 7 more than in the previous week.

In the mortality arising from Diseases of the Respiratory Organs a very decided improvement is observable; in the two preceding weeks 80 and 72 deaths were respectively returned, last week only 54.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 137.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 38·7°; at the Royal Infirmary, it was 42·4°; at Eccles, 40·5°; and at Old Trafford, 39·4°; it will thus be seen that the weather in Manchester has been decidedly warmer than in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	.
Chicken-pox	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	.
Measles	..	2	...	..	1	..	3	..	..	..	..	..	2	..	2	.
Scarlatina	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..	.
Diphtheria	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	1	..	..	..	1	..	..	2	..	..	..	..	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	1	1	1	..	..	..	3	..	..	3	..	..	..	5	10	
Dysentery	..	..	..	..	..	1	1	..	..	..	..	1	1	..	..	.
Continued Fever	3	*a*3	*b*7	*c*4	..	*c*1	18	22	..	1	..	*d*3	1	5	..	.
Erysipelas	1	..	..	..	..	..	1	..	..	..	..	..	1	1	..	.
Rheumatism	2	..	..	1	1	..	4	10	2	17	2	1	2	2	3	
Neuralgic Affections	..	..	..	..	1	..	1	..	1	2	..	..	5	..	2	
Constitutional Syphilis	..	..	..	..	..	..	..	20	..	9	..	..	1	..	..	
Phthisis	..	..	..	1	..	..	1	9	1	20	4	1	2	1	2	.
Insanity	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	.
Bronchitis, Influenza & Catarrh	4	8	2	7	7	8	36	24	1	31	..	2	5	16	20	
Pleurisy and Pneumonia	..	..	..	..	..	..	..	15	..	4	..	1	1	..	1	.
Skin Diseases	..	1	..	..	..	..	1	11	..	7	..	..	..	5	16	
Dyspepsia	..	..	..	..	..	..	..	5	..	11	..	..	2	5	17	
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	20	3	12	15	4	6	60	56	39	163	5	4	10	19	9	
TOTAL	31	18	23	28	15	20	135	178	46	270	11	13	34	59	82	23

a 2 Typhus removed to Workhouse. *b* 5 Typhus. *c* 1 Typhus. *d* 1 Typhus and 2 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,
(13) Mr. H. RUNCOR
(14) Dr. WHITEHEA
(15) „ J OGDEN F
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-doo medical relief to the workhouse, and are then reported twice over this fact has several times been notice

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 1*st day of December*, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
... 1,329				.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
... 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448				Population in 1861.	
PORLAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	1	..	..	..	..	5	5	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	2	1	Chicken-pox	1
..	..	2	..	..	..	2	..	5	..	..	..	16	30	Measles	..
..	..	3	..	..	1	..	..	..	2	..	..	8	4	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	2	..	Diphtheria	1
..	..	1	..	..	..	..	1	..	..	..	..	5	37	Whooping-cough	..
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup	..
..	1	5	3	2	3	2	..	1	..	..	13	57	34	Diarrhœa	2
..	..	..	..	..	..	..	..	1	..	..	..	4	3	Dysentery	1
e 6	*f* 9	8	..	*g* 4	2	3	*h* 2	1	..	*f* 1	*i* 2	89	115	Continued Fever	5
1	..	..	..	..	..	1	..	1	..	..	2	8	8	Erysipelas	1
..	..	12	..	2	3	1	2	2	..	1	9	77	52	Rheumatism	..
1	..	2	..	..	..	..	..	1	..	2	..	20	7	Neuralgic Affections ..	..
1	..	4	..	..	..	..	..	1	..	..	2	40	34	Constitutional Syphilis	1
1	3	11	..	..	..	1	2	2	1	2	2	67	52	Phthisis	6
..	1	..	..	..	..	..	..	..	..	..	..	5	3	Insanity	..
10	4	40	2	2	4	3	6	6	4	5	21	250	239	Bronchitis, Influenza, and Catarrh.....	11
..	..	2	..	..	..	..	..	1	..	1	1	27	14	Pleurisy & Pneumonia.	..
..	2	15	..	..	..	..	..	1	..	2	12	74	77	Skin Disease.....	..
2	..	8	1	..	..	..	2	2	..	4	8	70	68	Dyspepsia	..
..	..	..	..	..	..	..	1	1	..	..	..	2	5	Atrophy and Anæmia..	..
10	6	99	3	8	3	11	7	34	4	39	49	648	637	Accidents and diseases not classified.....	25
32	26	213	9	18	16	24	24	60	11	57	121	1477	1425	.... TOTAL	54

Typhus removed to Workhouse. *f* Typhus. *g* 1 Typhus and 3 Febricula. *h* Febricula. *i* Typhoid.

debted for the annexed Returns.

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(18) ,, J. O. BRADBURY,
(19) Dr. BRADDON,
(20)

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	4	4	..	..	..	2	2	..	1	..	..	13	3
Whooping-cough	..	1	..	..	..	..	..	..	..	..	..	1	21
Scarlatina	..	1	..	1	..	..	2	..	1	1	1	7	8
Diarrhœa	3	1	..	..	..	1	1	1	..	1	..	8	2
Fever	4	1	*c*2	*c*1	1	*c*2	*c*2	1	*d*2	*d*2	..	18	34
Diseases of the Lungs	6	10	6	4	2	8	4	..	5	5	4	54	87
Other causes	*a*14	*b*15	18	11	7	7	*a*23	8	*a*10	*b*24	8	145	146
TOTAL NO. OF DEATHS.	31	33	26	17	10	20	34	10	19	33	13	246	302
TOTAL NO. OF BIRTHS.	49	33	42	16	18	37	35	28	25	64	23	370	364

a 4 Inquests. *b* 3 Inquests. *c* Typhus. *d* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

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6	4	22	32	Small-pox	1	3	1	21
2	6	11	19	Chicken-pox	1	2	..	3
31	42	21	94	Measles	60	31	42	133
32	45	35	112	Scarlatina	41	64	36	141
..	2	2	4	Diphtheria	..	..	..	..
31	34	39	104	Whooping-cough	12	17	18	47
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10	21	32	63	Pneumonia }				
3	9	1	13	Carbuncle	..	..	..	..
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6525	6268	5156	17949	TOTAL	6422	9190	6096	21708

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FALL OF RAIN IN NOVEMBER.	Inches.	Wet Days.
Royton	8·360	20
Castleton Moor	6·781	19
Old Trafford	5·721	20
Eccles	5·702	20
Penketh	4·936	21
Wilmslow	4·445	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·906	29·974	29·977	29·968	29·964	29·968	29·978
Highest } Unreduced	30·184	30·165	30·155	30·066	29·718	30·264	29·784
Lowest } Unreduced	29·354	29·339	29·343	29·246	28·863	29·434	28·932
Range	0·830	0·826	0·812	0·820	0·855	0·830	0·852
Temperature.							
Adopted Mean	42·4	39·4	40·5	38·6	38·7	40·3	38·5
Range for Week	16·6	18·0	18·5	18·8	18·7	22·4	17·9
Daily Range	10·6	11·0	7·8	10·1	9·0	7·8	7·2
Maximum in Shade	49·8	49·0	48·8	47·5	47·0	48·8	46·9
Minimum in Shade	33·2	31·0	30·3	28·7	28·3	26·4	29·0
Temperature of Dew Point	39·5	34·8	35·4	35·1	35·9	37·3	35·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·892	0·840	0·829	0·872	0·897	0·872	0·875
Prevailing Winds	.....	SW	NW	NW, SW	SW	NW, SE	SW, NW
Rain	.....	0·204	0·183	0·234	0·115	0·188	0·000
Ozonometer.							
Moffat	....	0·57	2·00	....	....	....	....
Schonbein	....	0·43	....	4·00	2·00	....	....

December 1, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, DECEMBER 8, 1866. No. 332.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

So far as may be gathered from the returns of death and disease, no material change is this week observable in respect to the public health. The total number of new cases of disease and injuries occasioned by accidents observed in the public practice of Manchester and Salford during the seven days amounted to 1487. In the two preceding weeks the numbers almost exactly corresponded, being 1475 and 1477.

Under Continued Fever 85 cases were recorded, or 4 fewer than in our previous return; 13 of these patients were removed to the Manchester Workhouse, while 12 more were attended by the medical officers of the Salford Hospital.

Measles still continues very general in the Chorlton district, 6 new cases being entered in the Dispensary return.

Bronchitis and kindred Affections of the Chest, including Pleurisy, and Pneumonia have not gained much ground during tke last two weeks.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 246 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year the rate of mortality was considerably higher.

Eighty-four deaths are ascribed to Diseases of the Lungs; 30 more than in the previous week.

Continued Fever likewise proved more fatal than in the two preceding weeks, the numbers for the last three weeks being 11, 18 and 21.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 89.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46·9°; at the Royal Infirmary, it was 44·4°; and at Old Trafford, 41·3°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts. St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Public Institutions. Workhouse. 7	Royal Infirmary. In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	Children St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	2	1	..	..	..	..	1	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	1	..	..	..	2	..	..	..	..	..	2	..	1	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	2	2	1	..	..	..	5	3	..	..	..	..	1	5	4	3
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*1	*b*1	1	*a*4	*c*2	*d*4	13	23	..	..	..	*e*4	*f*3	6	..	..
Erysipelas	1	..	1	..	..	1	3	..	..	..	..	..	..	..	..	..
Rheumatism	1	1	..	..	2	1	5	6	4	16	..	2	..	2	2	2
Neuralgic Affections	..	..	..	..	..	..	..	..	..	3	..	..	..	1	6	..
Constitutional Syphilis	..	..	..	..	..	..	..	6	..	11	..	..	..	1	1	2
Phthisis	..	2	..	..	1	1	4	6	1	22	..	2	1	..	2	..
Insanity	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	5	2	4	1	11	30	20	..	34	3	2	5	9	11	3
Pleurisy and Pneumonia	1	..	..	..	..	..	1	7	..	4	..	..	2	..	2	..
Skin Diseases	..	..	..	..	..	1	1	8	..	9	..	..	..	4	15	1
Dyspepsia	..	..	..	..	..	..	..	..	..	16	..	..	..	2	20	2
Atrophy and Anæmia	..	..	1	..	..	1	2	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	17	6	12	11	2	5	53	56	41	232	1	..	10	41	18	2
TOTAL	30	18	19	19	8	25	119	139	47	347	4	11	24	72	82	15

a Typhus removed to Workhouse. *b* Febricula. *c* Removed to Workhouse. *d* 2 Typhus. *e* 2 Typhus and 2 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,
(13) Mr. H. RUNCORN
(14) Dr. WHITEHEAD
(15) „ J OGDEN FL
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 8th day of December, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
rLaw STRICT	Public Institutions.			Poor Law Districts											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	4	6	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	2	2	1	6	..	..	..	16	11	Measles	..
..	..	3	..	..	2	..	..	1	..	1	..	8	4	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	36	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	..	3	4	1	1	..	..	..	..	..	2	33	27	Diarrhœa	..
..	..	..	..	..	..	..	..	2	..	..	..	2	1	Dysentery	..
*g*3	5	12	..	3	2	1	*h*1	1	2	*i*1	*i*2	85	104	Continued Fever	7
..	..	1	..	..	..	..	..	1	..	..	..	5	4	Erysipelas	..
1	..	11	..	1	..	4	1	3	..	2	4	68	77	Rheumatism	1
..	..	2	..	..	..	..	..	1	..	1	..	14	14	Neuralgic Affections ..	..
..	..	6	..	..	..	1	..	1	..	..	3	32	39	Constitutional Syphilis	..
..	1	8	..	..	2	..	1	1	..	2	4	57	51	Phthisis	10
..	1	..	..	..	..	..	..	..	..	..	..	4	3	Insanity	..
7	3	60	3	8	..	1	7	9	4	7	18	260	229	Bronchitis, Influenza, and Catarrh.....	13
..	..	1	1	..	..	..	..	1	..	..	1	20	8	Pleurisy & Pneumonia.	1
..	2	8	..	1	..	..	..	1	..	2	15	68	77	Skin Disease.....	..
2	..	15	1	..	2	..	..	1	..	4	4	72	80	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	1	4	1	Atrophy and Anæmia..	1
12	10	109	2	5	7	5	3	38	4	30	44	735	786	Accidents and diseases not classified.....	26
26	22	239	11	19	18	14	14	68	10	50	98	1487	1558	.... TOTAL	60

2 Typhus and 1 Febricula. *g* 1 Typhus and 1 Febricula, removed to Workhouse. *h* Typhoid. *i* Typhus.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusions wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	4	1	..	1	..	..	..	..	1	2	..	9	6
Whooping-cough	..	..	1	..	..	..	..	..	..	..	..	1	25
Scarlatina	..	..	1	1	1	1	2	..	..	2	..	8	4
Diarrhœa	2	..	1	..	1	..	..	1	..	1	1	7	5
Fever	1	3	*b*10	*c*1	*c*2	..	*e*2	..	..	1	*c*1	21	29
Diseases of the Lungs	15	7	14	5	5	11	5	2	7	10	3	84	82
Other causes	8	*a*20	18	5	5	*d* 13	11	*a*10	11	9	6	116	154
TOTAL NO. OF DEATHS.	30	31	45	13	14	25	20	13	19	25	11	246	307
TOTAL NO. OF BIRTHS.	26	30	15	21	20	23	31	13	22	55	22	278	321

a 1 Inquest. *b* 8 Typhus, 1 Typhoid, and 1 Fever. *c* 1 Typhus. *d* 3 Inquests. *e* 1 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL.	DISEASE.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL
4	22	18	44	Small-pox	3	17	13	33
6	11	6	23	Chicken-pox	2	..	9	11
42	21	35	98	Measles	31	42	69	142
45	35	21	101	Scarlatina	64	36	34	134
2	2	4	8	Diphtheria	..	..	..	..
34	39	41	114	Whooping-cough	17	18	19	54
1	1	2	4	Croup	2	1	4	7
1150	568	423	2141	Diarrhœa	2567	389	205	3161
6	3	..	9	Dysentery	15	10	6	31
22	10	1	33	Cholera	5	..	..	5
19	20	15	54	Erysipelas	26	16	27	69
..	..	..	..	Puerperal Fever	..	..	..	..
14	9	9	32	Insanity	41	33	24	98
539	751	842	2132	Bronchitis and Catarrh	710	911	908	2529
11	12	9	32	Pleurisy }	60	66	91	217
21	32	28	81	Pneumonia }				
9	1	8	18	Carbuncle	..	..	..	..
4343	3619	3394	11356	Accidents, and all other Diseases.	5647	4557	4388	14592
6268	5156	4856	16280	TOTAL	9190	6096	5797	21083

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.	Inches.	Wet Days.
Royton	8·360	20
Castleton Moor	6·781	19
Old Trafford	5·721	20
Eccles	5·702	20
Penketh	4·936	21
Wilmslow	4·445	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·704	29·741		29·712	29·723	29·704	29·741
Highest } Unreduced	30·360	30·344		30·226	29·886	30·430	29·992
Lowest } Unreduced	29·200	29·184		29·184	28·700	29·240	28·860
Range	1·160	1·160		1·142	1·186	1·190	1·132
Temperature.							
Adopted Mean	44·4	41·3		43·0	41·0	43·7	41·3
Range for Week	24·6	28·0		27·0	23·0	26·1	24·0
Daily Range	10·2	16·9		12·8	12·5	12·6	12·5
Maximum in Shade	57·5	57·0		55·9	52·5	56·4	54·0
Minimum in Shade	32·9	29·0		28·9	29·5	30·3	30·0
Temperature of Dew Point	40·7	37·7		39·7	38·0	40·1	38·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·866	0·878		0·878	0·875	0·878	0·900
Prevailing Winds	.....	S, SW		SW	SW	SE, SW	SW
Rain	.....	1·196		0·878	2·230	0·996	2·047
Ozonometer.							
Moffat	....	1·14		....	2·14	....	....
Schonbein	....	0·86		6·28	....	....	....

NO RETURN.

December 8, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, DECEMBER 15, 1866. No. 333.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The state of the public health still continues satisfactory. In the week terminating on Saturday, the 15th instant, 1418 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the returns were considerably heavier, 1477 and 1487 cases being respectively returned.

Under Continued Fever it is satisfactory to observe a very decided improvement, 67 instead of 85 seizures being recorded; 27 of these cases are specially referred to as examples of Typhus Fever.

Measles, which during several consecutive weeks appeared to be gaining ground, proved last week considerably less prevalent. A few cases, however, were still seen at the Chorlton Dispensary.

Under Bronchitis and kindred Affections of the Chest, a slight increase is observable, the total number of new cases under this column amounting to 283.

Whooping-Cough which in the corresponding week of last year was very general, has now nearly disappeared from the returns.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 243 deaths were registered in the eleven districts of the Sanitary Association. In each of the two preceding weeks there were 246. It will thus be observed that the rate of mortality has remained singularly stationary.

Continued Fever carried off 17 persons, and the various forms of disease connected with the Chest 70.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43·4°; at the Royal Infirmary, it was 43·6°; at Eccles, 41·3°; at Old Trafford, 40·0°; and at Royton, 39·6°. It will be observed from these figures how much higher is the mean temperature at the Royal Infirmary, in the centre of the town, than at the suburban and outlying stations.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.									
									Royal Infirmary.					Children			
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	...	..	..	1	1	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	1	1	1	..	8	..	..	..	4	3	2
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	*a*1	*b*3	*c*1	*b*3	1	*d*2	11	14	..	..	..	3	*e*4	3	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	3	..	1	..	..	..	..
Rheumatism	..	1	..	..	3	..	4	8	2	25	2	1	1	1	6	1
Neuralgic Affections	..	..	1	..	..	..	1	..	3	..	1	..	..	..	4	..
Constitutional Syphilis	..	..	..	..	..	..	..	9	..	14	..	..	1	..	1	2
Phthisis	..	..	1	..	..	..	1	7	..	17	1	1	1	1	..	..
Insanity	1	..	..	..	..	..	1	7	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	4	2	3	6	3	23	35	1	39	2	2	6	9	14	4
Pleurisy and Pneumonia	..	..	..	1	..	..	1	8	..	6	..	2	1	..	1	..
Skin Diseases	1	..	..	..	1	..	2	..	..	10	..	..	..	1	25	3
Dyspepsia	1	..	..	..	1	..	2	..	..	19	..	..	..	5	11	1
Atrophy and Anæmia	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	20	7	11	5	..	5	48	55	35	188	..	5	9	38	6	1
TOTAL	29	15	16	12	14	13	99	144	41	329	6	15	23	63	73	14

a 1 Removed to Workhouse. *b* 2 Typhus removed to Workhouse. *c* Typhus. *d* Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 15th day of December, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
Poor Law District		Public Institutions.			Poor Law Districts											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
1	..	..	..	..	..	..	..	..	..	..	1	3	4	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	..	..	..	..	..	1	4	..	2	..	10	7	Measles	1
..	..	2	..	..	..	..	..	..	2	..	..	4	2	Scarlatina	..
..	..	..	..	..	..	..	..	..	1	..	..	1	..	Diphtheria	..
..	..	..	..	..	..	..	..	1	..	..	..	2	36	Whooping-cough	1
..	..	..	..	..	..	1	..	..	..	1	..	2	1	Croup	1
1	..	1	3	..	2	1	..	..	..	..	2	29	24	Diarrhœa	..
..	..	..	..	..	..	..	1	1	..	..	..	2	1	Dysentery	..
..	*f*3	*c*4	10	..	1	2	*a*6	*c*1	..	1	2	*c*2	67	98	Continued Fever	5
..	..	..	..	..	..	..	..	..	1	1	..	6	13	Erysipelas	..
2	..	1	12	..	1	2	..	..	..	..	4	6	79	55	Rheumatism	..
..	..	..	1	..	1	..	..	..	1	..	4	..	16	8	Neuralgic Affections ..	..
1	..	..	5	..	1	..	..	..	..	..	1	3	38	36	Constitutional Syphilis	1
2	..	1	10	..	..	..	..	1	1	..	2	3	49	50	Phthisis	9
..	..	1	..	..	..	..	..	..	..	..	1	..	10	6	Insanity	..
6	4	..	53	4	6	4	4	7	2	2	7	24	258	229	Bronchitis, Influenza, and Catarrh.....	14
..	..	..	2	..	..	..	..	..	..	..	2	2	25	16	Pleurisy & Pneumonia.	1
3	..	6	12	..	1	..	..	..	..	1	1	7	72	43	Skin Disease.....	..
..	1	..	11	..	1	..	1	4	1	..	5	4	66	72	Dyspepsia	..
..	..	..	..	..	..	..	..	1	..	..	..	..	3	2	Atrophy and Anæmia..	..
8	5	6	112	2	5	6	6	4	44	3	33	57	676	698	Accidents and diseases not classified.....	38
3	14	19	231	9	17	16	19	20	55	11	66	111	1418	1401	.... TOTAL	72

e 2 Typhoid, 1 Typhus and 1 Febricula. *f* 2 Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
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(25) Mr. JOHN RAYNER,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	1	..	1	1
Measles	1	..	..	..	..	1	..	..	1	2	1	6	5
Whooping-cough	..	2	..	..	..	..	..	1	..	2	..	5	23
Scarlatina	2	..	1	1	..	..	..	..	..	2	..	6	6
Diarrhœa	1	1	..	..	1	..	1	1	..	1	..	6	5
Fever	3	1	*a*3	*b*2	1	*c*1	*e*4	..	2	..	..	17	26
Diseases of the Lungs	13	6	12	6	3	9	3	..	7	8	3	70	77
Other causes	17	13	22	6	8	*d* 9	*f*13	11	10	15	8	132	145
TOTAL NO. OF DEATHS.	37	23	38	15	13	20	21	13	20	31	12	243	288
TOTAL NO. OF BIRTHS.	48	54	30	16	22	42	20	18	36	60	16	362	309

a 2 Typhus and 1 Typhoid. *b* 1 Typhus. *c* Typhoid. *d* 4 Inquests. *e* 2 Typhus and 1 Typhoid. *f* 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL.	DISEASE.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL
4	22	18	44	Small-pox	3	17	13	33
6	11	6	23	Chicken-pox	2	..	9	11
42	21	35	98	Measles	31	42	69	142
45	35	21	101	Scarlatina	64	36	34	134
2	2	4	8	Diphtheria	..	..	..	..
34	39	41	114	Whooping-cough	17	18	19	54
1	1	2	4	Croup	2	1	4	7
1150	568	423	2141	Diarrhœa	2567	389	205	3161
6	3	..	9	Dysentery	15	10	6	31
22	10	1	33	Cholera	5	..	..	5
19	20	15	54	Erysipelas	26	16	27	69
..	..	..	..	Puerperal Fever	..	..	..	..
14	9	9	32	Insanity	41	33	24	98
539	751	842	2132	Bronchitis and Catarrh	710	911	908	2529
11	12	9	32	Pleurisy } Pneumonia }	60	66	91	217
21	32	28	81					
9	1	8	18	Carbuncle	..	..	..	..
4343	3619	3394	11356	Accidents, and all other Diseases.	5647	4557	4388	14592
6268	5156	4856	16280	TOTAL	9190	6096	5797	21083

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.	Inches.	Wet Days.	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Royton	8·360	20							
Castleton Moor	6·781	19							
Old Trafford	5·721	20							
Eccles	5·702	20							
Penketh	4·936	21							
Wilmslow	4·445	23							
Height of barometer cistern above sea level			130 ft.	123 ft	145ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29·714	29·763	29·748	29·744	29·743	29·746	29·731
Highest } Unreduced			30·250	30·236	30 219	30·128	29·750	30·332	29·836
Lowest } Unreduced			29·210	29·224	29·219	29·180	28·745	29·306	28·808
Range			1·040	1·012	1·000	0·948	1·005	1·026	1·028
Temperature.									
Adopted Mean			43·6	40·0	41·3	41·6	39·6	41·3	39·8
Range for Week			19·2	22·5	23·4	24·1	26·3	24·2	23·5
Daily Range			10·6	12·3	13·0	13·6	14·5	13·1	12·3
Maximum in Shade			52·4	52·5	52·4	51·5	50·3	52·3	49·5
Minimum in Shade			33·2	30·0	29·0	27·4	24·0	28·1	26·0
Temperature of Dew Point			39·3	37·0	37·0	39·4	36·4	38·5	36·8
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0·845	0·896	0·854	0·916	0·881	0·906	0·890
Prevailing Winds			.....	SW,SE	SW,NW	SW,S	SW	SW,SE	S,SW
Rain			.....	1·254	1·239	0·829	2·015	0·653	1·582
Ozonometer.									
Moffat			....	0·86	3·14	....	....	....	....
Schonbein			....	0·71	....	3·50	1·80	....	....

December 15, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VI.] WEEK ENDING SATURDAY, DECEMBER 22, 1866. No. 334.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns still continue satisfactory. In the week terminating on Saturday, the 22nd instant, 1,373 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the returns were considerably higher, 1,487 and 1,418 being the numbers recorded.

Under Continued Fever we observe this week an increase of 9 cases. At the same time the disease, under its several varieties, is far less prevalent than in the corresponding period of last year, when it raged with all the intensity of an epidemic. Of the 76 fever cases entered in this return 33 are set down as examples of true Typhus.

Bronchitis and kindred Affections of the Chest proved considerably less general than in the two preceding returns, the numbers for the last three weeks being 280, 283, and 236.

At the Clinical Hospital there were 5 new cases of Measles; and, at the Salford Hospital, 3 cases of Scarlet Fever.

No other disease prevailed to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 274 deaths were registered in the eleven districts of the Sanitary Association. In the two preceding weeks the numbers were 246 and 243.

The higher rate of mortality observed this week is in a great measure to be attributed to 20 inquest cases. These deaths, though only registered last week, really occurred in the course of several of the preceding weeks.

Diseases connected with the lungs carried off 86 persons, and Continued Fever and Scarlet Fever each 11.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 75.

At the Royal Observatory, Greenwich, the mean temperature of the air was 41·3°; at the Royal Infirmary, it was 45·2°; at Eccles, 43 6°; and at Old Trafford, 42·6°. It will thus be seen that the weather here was considerably warmer than in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... " " 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	..	..	2	3	7	..	..	..	..	..	..	..	5	..
Scarlatina	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	1	...	..	..	..	1	..	..	2	..	..	..	..	..	..
Croup	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Diarrhœa	..	3	..	..	..	1	4	2	..	5	..	..	3	2	1	3
Dysentery	..	..	..	..	*a*2	..	2	..	..	..	..	..	..	..	..	..
Continued Fever	..	..	4	*a*1	..	7	12	23	..	..	2	*c*4	*d*3	7	..	..
Erysipelas	..	..	1	..	..	1	2	..	..	..	..	..	..	..	..	1
Rheumatism	1	..	..	..	1	1	3	5	4	15	1	..	1	..	4	3
Neuralgic Affections	1	..	..	..	1	..	2	..	..	6	..	..	..	..	5	..
Constitutional Syphilis	..	..	..	..	..	..	..	6	..	10	..	..	..	..	..	4
Phthisis	..	1	..	..	..	..	1	1	..	24	..	..	1	..	1	..
Insanity	..	..	1	..	..	..	1	2	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	5	1	3	*a*1	9	26	14	..	36	1	2	..	7	18	4
Pleurisy and Pneumonia	..	1	..	..	..	..	1	1	1	2	..	..	..	..	..	..
Skin Diseases	1	..	..	..	..	4	5	7	..	10	..	..	..	1	15	2
Dyspepsia	1	1	..	1	..	..	3	..	..	12	1	1	..	2	18	3
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	16	5	11	8	3	6	49	62	49	215	..	4	6	26	14	..
TOTAL	29	17	19	13	10	32	120	124	55	337	5	11	14	46	81	20

a Removed to Workhouse. *b* 5 Typhus 2 removed to Workhouse. *c* 3 Typhus and 1 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THEODORE FENNELL, ,, W.H. SUTCLIFFE, ,, W.J. TATTERSALL,
(13) Mr. H. RUNCORN,
(14) Dr. WHITEHEAD,
(15) ,, J OGDEN FLET
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 22nd day of December, 1866.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
RLAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work house.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	1	..	..	..	3	3	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox	..
..	..	..	..	..	..	..	2	2	..	..	..	16	9	Measles	3
..	..	3	..	..	..	..	..	..	2	1	..	7	11	Scarlatina	..
..	..	..	.	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	3	33	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	1
..	..	3	4	2	3	..	..	..	..	1	8	41	25	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	2	1	Dysentery	..
e 2	1	*f* 11	..	*e* 2	2	..	*e* 1	1	1	2	2	76	119	Continued Fever	7
..	2	..	..	1	..	..	..	..	..	..	..	6	8	Erysipelas	..
4	..	9	..	1	1	..	..	2	..	3	9	65	61	Rheumatism	..
1	..	2	..	..	..	1	..	..	..	2	..	19	6	Neuralgic Affections ..	..
..	..	4	..	..	1	..	..	..	..	..	2	27	33	Constitutional Syphilis	..
..	1	12	..	..	..	..	1	1	1	3	4	52	47	Phthisis	12
..	..	..	..	..	..	..	1	..	..	..	..	4	6	Insanity	..
7	2	40	2	6	4	6	6	7	3	8	21	227	236	Bronchitis, Influenza, and Catarrh.....	11
..	..	1	1	..	..	..	..	..	..	1	1	9	13	Pleurisy & Pneumonia.	1
..	2	11	..	..	..	1	..	1	1	2	9	68	51	Skin Disease.....	..
..	..	10	1	..	3	1	3	1	..	5	8	73	68	Dyspepsia	..
..	..	..	..	..	..	..	2	1	..	..	..	3	3	Atrophy and Anæmia..	..
4	9	99	3	7	4	5	6	33	3	25	46	671	636	Accidents and diseases not classified.....	22
18	17	205	11	19	18	14	22	50	11	53	110	1373	1370	.... TOTAL	58

l Typhoid. *e* Febricula. *f* 1 Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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Small Pox	..	..	1	..	..	..	..	..	..	..	..	1	1
Measles	1	2	..	1	..	..	..	1	1	2	1	9	8
Whooping-cough	..	1	..	..	..	1	1	..	..	..	..	3	19
Scarlatina	6	1	1	1	..	..	2	..	..	..	..	11	8
Diarrhœa	1	..	1	1	2	1	..	1	..	3	..	10	10
Fever	1	..	*b*3	2	..	..	*d* 3	..	1	*f*1	..	11	27
Diseases of the Lungs	18	5	11	4	5	10	2	1	9	15	6	86	70
Other causes	*a*21	6	10	*c*5	9	*c*9	*e*20	*c*17	*a*15	*g*26	*h*5	143	168
TOTAL NO. OF DEATHS.	48	15	27	14	16	21	28	20	26	47	12	274	311
TOTAL NO. OF BIRTHS.	35	25	8	15	23	30	29	19	22	74	24	304	339

a 5 Inquests. *b* 2 Typhus and 1 Typhoid *c* 2 Inquests. *d* 2 Typhus. *e* 1 Inquest. *f* Typhus. *g* 7 Inquests. *h* 3 Inquests.

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2	2	4	8	Diphtheria	..	..	..	..
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..	..	..	..	Puerperal Fever	..	..	..	..
14	9	9	32	Insanity	41	53	24	98
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9	1	8	18	Carbuncle	..	..	..	..
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Wilmslow	4·445	23

	Royal Infirmary, Dr. Reed.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. Bates.
Height of barometer cistern above sea level	130 ft.	123 ft	145ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·170	30·192	30·191	NO RETURN.	30·192	30·187	NO RETURN.
Highest (Unreduced)	30·380	30·348	30 343		29·884	30·446	
Lowest (Unreduced)	29·576	29·416	29·493		29·014	29·614	
Range	0·804	0·932	0·850		0·870	0·832	
Temperature.							
Adopted Mean	45·2	42·6	43·6		41·1	44·5	
Range for Week	15·5	22·0	21·3		19·0	21·6	
Daily Range	9·0	11·6	9 5		11·1	8·9	
Maximum in Shade	53·3	53·0	53·4		51·0	54·6	
Minimum in Shade	37·8	31·0	32·1		32·0	33·0	
Temperature of Dew Point	41·3	38·7	38·4		38·1	39·9	
Hygrometrical condition of the Atmosphere	GRS.	GRS.	GRS.		GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·827	0·864	0·818		0·891	0·836	
Prevailing Winds	.....	S,SW	W,SW		S,SW	S,SW	
Rain	.....	0·336	0·378		0·360	0·227	
Ozonometer.							
Moffat	....	0·57	1·34		....	....	
Schonbein	....	0·43	....		2·10	....	

December 22, 1866.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

, and their Causes.

[illegible] births occurred in Manchester and [illegible] births by no fewer than 54. In the corresponding [illegible] the former amounted to only 199, and yet the mean temperature of the air at that time very nearly corresponded with that of the week which has just elapsed.

Of the deaths 42 are due to Scarlet Fever, and of this number 13 occurred in the Ancoats District and 11 in Hulme. There were 2 deaths from Typhus. For the first time for many months there was not a single death from Small-pox.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42 5°. At only one of the Manchester stations (Royton) was so low a mean reading of the thermometer observed. At Old Trafford it was 43·5°, or one degree higher.

In Manchester about half an inch of rain is stated to have fallen,—in the neighbourhood of London none.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

Rheu[illegible]																
Neuralgic [illegible]																
Constitutional Syphilis ..																
Phthisis	..	[illegible]														
Insanity	..	..	..	..	[illegible]	[illegible]										
Bronchitis, Influenza & Catarrh	9	24	2	3	7	11	56	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pleurisy and Pneumonia....	1	..	2	1	2	..	6	..	..	..	1	1	2	..	..	..
Skin Diseases.....	2	1	2	..	2	2	9	4	..	32	..	..	..	1	5	..
Dyspepsia	1	1	..	..	5	..	7	..	..	14	..	1	..	..	4	..
Accidents and diseases not classified.....	30	15	19	9	5	18	96	19	25	127	8	4	8	36	1	5
TOTAL	53	49	40	15	38	46	241	75	28	362	13	8	19	63	27	7

* Febricula. † 2 Typhus. ‡ 1 Typhus.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, JOHN ARMSTRONG,
(4) ,, J. LORIMER,
(5) Dr. JOHN MEDD,
(6) ,, LEDWARD,
(7) Mr. C. H. BRADDON,
(8) ,, M. ROWLAND DAY,
(9) (10) (11) (12) Mr. S. M. BRADLEY, ,, G. E. WALKER, ,, T. M. JOHNSON,
(13) Mr. H. RUNCORN
(14) Dr. WHITEHEAD,
(15) Mr. W. GOLLAND,
(16) ,, J. TEALE,

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VI.] WEEK ENDING SATURDAY, DECEMBER 29, 1866. No. 335.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns still continue satisfactory. In the week terminating on Saturday, the 29th instant, 1,281 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the returns were considerably heavier. It must be remembered, however, that last week was for the most part a holiday-week, and at such seasons experience seems to prove that the applications for medical relief among the poor are always less numerous than usual.

The most unfavourable feature in the present return is the great increase observable under Continued Fever, the seizures being from 76 to 108; of these 108 cases 61 are attributed to true Typhus; 29 of the latter were admitted into the Manchester Workhouse and 12 more were attended by Dr. Ledward in the St. Michael's district.

A few cases of Measles are still met with in the return of the Chorlton Dispensary and likewise of the Clinical Hospital.

Under Bronchitis and kindred Affections of the Chest 246 new cases are returned, or 10 more than in the previous week.

No other disease prevailed to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 250 deaths were registered in the eleven districts of the Sanitary Association; 21 of these deaths are attributed to Typhus Fever and 13 to Measles.

In London, according to the last weekly report of the Registrar General, the deaths fell short of the estimated average by 118.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44·0°; at Penketh, it was 44·9°; and at Old Trafford, 44·0°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	..	..	1	..	3	..	..	..	..	..	..	..	4	..
Scarlatina	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	2	..	..	4	..	..	..	..	..	..	3	4	4
Dysentery	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Continued Fever	*a*3	..	*b*5	6	..	*c*14	28	29	1	..	*d*2	..	1	1	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Rheumatism	1	..	..	..	1	..	2	6	3	9	..	1	..	..	2	2
Neuralgic Affections	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2
Constitutional Syphilis	..	..	..	..	..	..	..	6	..	6	..	..	..	..	..	3
Phthisis	..	..	..	..	1	..	1	5	2	16	2	2	2	1	..	..
Insanity	..	..	..	..	..	1	1	6	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	10	5	3	2	5	10	35	23	2	23	1	5	4	3	14	3
Pleurisy and Pneumonia	..	..	..	..	..	..	..	11	..	3	..	..	1	..	1	..
Skin Diseases	..	..	..	..	..	..	..	6	..	10	..	..	..	1	20	3
Dyspepsia	..	1	..	..	..	1	2	..	1	17	..	..	..	..	7	..
Atrophy and Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	9	3	7	3	3	6	31	52	41	208	3	5	4	17	10	1
TOTAL	25	11	15	14	13	32	110	145	50	293	8	13	13	26	62	18

a Removed to Workhouse. *b* 1 Febricula. *c* 12 Typhus 4 removed to Workhouse. *d* Typhus.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. THEODORE FENNELL, „ W.H. SUTCLIFFE, „ W.J. TATTERSALL,
(13) Mr. H. RUNCORN
(14) Dr. WHITEHEAD
(15) „ J OGDEN FL
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-doo medical relief to the workhouse, and are then reported twice over this fact has several times been notice

SANITARY ASSOCIATION.

UTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 29th day of December, 1866.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850 ..		21739	.....24,448				Population in 1861.	
POORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	1	..	..	..	2	1	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
1	..	..	..	..	..	..	1	..	4	..	3	..	16	8	Measles	1
..	..	..	2	..	1	..	..	..	..	..	..	..	4	6	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	37	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	1	..	3	3	..	..	1	3	..	..	..	2	29	30	Diarrhœa	1
..	..	..	..	1	..	..	..	..	..	..	..	..	3	2	Dysentery	..
*a*3	*e*5	*d*7	10	*d*1	*f*3	5	2	*g*2	..	..	2	*d*6	108	66	Continued Fever	3
1	..	..	..	..	..	..	..	..	..	..	2	..	4	6	Erysipelas	..
..	2	..	6	..	..	2	..	2	2	..	1	8	48	47	Rheumatism	..
1	1	..	1	..	..	..	1	..	..	..	2	1	10	7	Neuralgic Affections ..	..
..	2	..	3	..	..	..	..	..	..	..	2	3	25	22	Constitutional Syphilis	..
1	..	1	8	..	..	..	..	1	1	..	5	3	51	52	Phthisis	6
..	..	2	..	..	..	..	..	..	..	..	1	..	10	7	Insanity	..
2	4	2	40	5	4	3	2	4	4	4	10	28	225	198	Bronchitis, Influenza, and Catarrh.....	10
..	1	..	1	..	..	..	..	..	..	..	1	2	21	9	Pleurisy & Pneumonia.	1
..	..	1	14	..	..	..	1	1	..	1	1	7	66	38	Skin Disease.....	..
..	..	..	11	1	..	2	..	2	1	..	6	2	52	64	Dyspepsia	..
..	..	1	3	..	..	..	..	..	..	..	..	..	4	1	Atrophy and Anæmia..	..
3	4	4	97	2	7	2	8	4	30	..	27	43	603	599	Accidents and diseases not classified.....	34
13	20	18	199	13	15	14	16	19	43	5	63	105	1281	1200	.... TOTAL	58

e 2 Typhus, 1 Typhoid, and 2 Febricula. *f* 1 Removed to Workhouse. *g* Typhus, removed to Workhouse.

is indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, JOHN A. EATOCK,
(28) ,, S. WOODCOCK,

in the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	4
Measles	1	2	3	..	..	1	1	..	1	3	1	13	7
Whooping-cough	..	..	..	..	..	1	..	..	..	1	..	2	27
Scarlatina	1	1	..	1	..	1	..	..	..	1	1	6	12
Diarrhœa	1	3	..	..	1	1	..	1	..	1	..	8	5
Fever	1	4	*b*9	1	1	..	..	1	1	*f*1	2	21	25
Diseases of the Lungs	11	7	12	3	2	14	6	2	9	7	2	75	105
Other causes	16	*a*16	21	*c*7	*d*11	*e*10	9	*e*5	6	15	9	125	129
TOTAL NO. OF DEATHS.	31	33	45	12	15	28	16	9	17	29	15	250	314
TOTAL NO. OF BIRTHS.	33	39	18	15	14	29	24	20	30	77	22	321	290

a 9 Inquests. *b* 8 Typhus and 1 Typhoid *c* 3 Inquests. *d* 4 Inquests and 1 Cholera. *e* 2 Inquests. *f* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL.	DISEASE.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL
4	22	18	44	Small-pox	3	17	13	33
6	11	6	23	Chicken-pox	2	..	9	11
42	21	35	98	Measles	31	42	69	142
45	35	21	101	Scarlatina	64	36	34	134
2	2	4	8	Diphtheria	..	..	..	..
34	39	41	114	Whooping-cough	17	18	19	54
1	1	2	4	Croup	2	1	4	7
1150	568	423	2141	Diarrhœa	2567	389	205	3161
6	3	..	9	Dysentery	15	10	6	31
22	10	1	33	Cholera	5	..	..	5
19	20	15	54	Erysipelas	26	16	27	69
..	..	..	..	Puerperal Fever	..	..	..	..
14	9	9	32	Insanity	41	53	24	98
539	751	842	2132	Bronchitis and Catarrh	710	911	908	2529
11	12	9	32	Pleurisy	60	66	91	217
21	32	28	81	Pneumonia				
9	1	8	18	Carbuncle	..	..	..	..
4343	3619	3394	11356	Accidents, and all other Diseases.	5647	4557	4388	14592
6268	5156	4856	16280	TOTAL	9190	6096	5797	21083

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.	Inches.	Wet Days.
Royton	8·360	20
Castleton Moor	6·781	19
Old Trafford	5·721	20
Eccles	5·702	20
Penketh	4·936	21
Wilmslow	4·445	23

	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, REV. J. C. BATES.
Height of barometer cistern above sea level	130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·032	NO RETURN.	NO RETURN.	29·962	29·926	NO RETURN.
Highest (Unreduced)		30·219			29·758	30·321	
Lowest (Unreduced)		29·245			28·800	29·362	
Range		0·974			0·958	0·959	
Temperature.							
Adopted Mean		44·0			42·5	44·9	
Range for Week		19·5			15·4	15·2	
Daily Range		10·2			8·1	8·1	
Maximum in Shade		50·5			49·4	50·6	
Minimum in Shade		31·0			34·0	35·4	
Temperature of Dew Point		41·3			38·1	41·7	
Hygrometrical condition of the Atmosphere.		GRS.			GRS.	GRS.	
Degree of Humidity (Saturation—1,000)		0·904			0·885	0·885	
Prevailing Winds		S,SW			S,SW	S,SW	
Rain		1·108			1·565	0·900	
Ozonometer.							
Moffat		2·28			....	....	
Schonbein		2·00			2·00	5 00	

December 29, 1866. JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.